1.1.1: The Institutional ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

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Date: 28.05.2022

CIRCULAR

This is to inform that the below mentioned staff members are appointed as Institutional Academic Committee members for the Academic year 2022-2023 to discuss Institutional academic matters.

S NO	NAME OF THE FACULTY	DESIGNATION	SIGNATURE
1	Dr.K. BALAJI ,PRINCIPAL,AIPS	CHAIRPERSON	1
2	Dr.Y JAYA PRADHA,DIRECTOR-H.R	MEMBERR	R
3	Dr.NIHAR RANJAN DAS,VICE PRINCIPAL,AIPS IQAC COORDINATOR	MEMBER	N
4	Dr.M.RAMAKRISHNA PROFESSOR AND HEAD. DEPARTMENT OF PHARMACY	MEMBER	MRKinh
5	Dr.B.MANJULA ASSOCIATE PROFESSOR AND HEAD. DEPARTMENT OF PHARM D	MEMBER	la gulo B
6	Dr.G.SAI KIRAN PROFESSOR	MEMBER	MM
7	Dr.VISHNU SRAVAN BOLLU,PROFESSOR	MEMBER	Sent
8	M.RAJASHEKAR,PHYSICAL DIRECTOR	MEMBER	Deeshekot
9	S.SRIDEVI,LIBRARIAN	MEMBER	A

Copy to:

1.ALL HODs

2.IQAC Coordinator

PRINCIPAL

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AVANTHI INSTITUTE OF
PHARMACEUTICAL SCIENCES
Gunthapelly (V), Abdullapurmet (M).
R.R. Dist. Telangana.



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES









INSTITUTIONAL ACADEMIC PLANNING & ADVISORY COMMITTEE

Institutional Academic Planning & Advisory Committee Members For the Academic Year 2022-2023

S	NAME OF THE FACULTY	DESIGNATION
NO		
1	Dr.K. BALAJI ,PRINCIPAL,AIPS	CHAIRPERSON
2	Dr.Y JAYA PRADHA, DIRECTOR-	MEMBERR
	H.R	
3	Dr.NIHAR RANJAN DAS,VICE	MEMBER
	PRINCIPAL,AIPS IQAC	
	COORDINATOR	
4	Dr.M.RAMAKRISHNA	MEMBER
	PROFESSOR AND HEAD.	
	DEPARTMENT OF PHARMACY	
5	Dr.B.MANJULA ASSOCIATE	MEMBER
	PROFESSOR AND HEAD.	
	DEPARTMENT OF PHARM D	
6	Dr.G.SAI KIRAN PROFESSOR	MEMBER
7	Dr.VISHNU SRAVAN	MEMBER
	BOLLU,PROFESSOR	
8	M.RAJASHEKAR,PHYSICAL	MEMBER
	DIRECTOR	
9	S.SRIDEVI,LIBRARIAN	MEMBER
		1

Functions of the Academic Committee:

- 1. The academic committee is responsible for imbibing the best practices to provide an improved academic system for the present and future students.
- 2. The committee is also accountable for practices, such as conducting academic award functions to honor students for academic excellence.
- 3. Propose the academic requirements (Theory, Laboratory and Examination related) of each Department.
- 4. Scheduling of various academic activities.
- 5. Review of the academic activities.

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6.Perform such other functions as may be assigned by the governing body

PANANTHI INSTITUTE OF PANANTHIS INSTITUTE OF PHARMACEUTICAL SCIENCES

Gunthapally Off Abdullapurmat (M) Pharmaceutical Sciences

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Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.





AIPS/AC/2022-2023/01

Date: 30.05.2022

CIRCULAR

This is to inform all the staff members that Institutional Academic Committee will be meeting on 01.06.2022 at 10.00 AM in the Principal's chamber to discuss the following agenda. All members are requested to attend the meeting without fail.

Agenda:

- 1. Preparation of institute academic calendar of 2022-23
- 2. Value added courses
- 3. Hospital training sessions and visits
- 4. Pharmacological and Analytical Project works
- 5. Research works and collabration
- 6. Workshops/FDPs
- 7. Industrial visits
- 8. Training and Placements
- 9. Sports/NSS activities
- 10. Any other issues

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PHARMACEUTICAL SCIENCES
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R.R. Dist. Telangana.

Copy to:

1. All HODS

2. IQAC coordinator

3. All the Committee Members

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

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MINUTES OF THE INSTITUTIONAL ACADEMIC PLANNING & ADVISORY COMMITTEE

The Institutional Academic Committee meeting was held on 26-08-2022 at 10AM in Principal's chamber. The principal welcomed the staff and briefed on the above objective of the Institutional Academic Committee meeting. The principal started the deliberations by discussing the Academic issues and emphasized the need to concentrate on new University regulations.

Agenda Item 1:

Preparation of Institute academic calendar of 2022-23.

Resolution:

- Dr. Nihar Ranjan Das IQAC Coordinator, prepared the college Academic Calendar based on the Academic Calendar issues by the University and is handed over to the Head of the Department of Pharmacy.
- Department wise Academic Calendar was prepared by the Head of the Department basing on the Calendar issued by the Coordinator and was sent to the IQAC coordinator for his approval.
- Timetables were prepared and workloads were allotted to the faculty based

Academic

Calendar of the institute as per the curriculum of the current semester.

Agenda Item 2

Value added Courses

Resolution:

Dr. G. Sai Kiran, Professor, The member of the committee have been proposed that value added courses should be included in each department though it's not included in the curriculum as it finds important for the development and employability of the students.

Agenda Item 3:

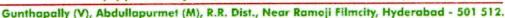
Hospital training sessions and visits:

Resolution:

The members suggested that every student should complete atleast one internship per year.

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Agenda Item 4:

Pharmacological and Analytical Project works

Resolution:

The members of the committee assigned the faculty to guide the students in project

Agenda Item 5:

Research Works

Resolutions

- Dr. Y. Jayapradha, advised the faculty members to Publish at least one research paper per semester in High Indexed Journal. The entire remaining faculty were suggested to publish one paper in Scopus journal.
- Dr. B. Manjula advised all the faculty members to attend the FDP every year.
- Dr. Vishnu sravan bollu, advised all the faculty members to undergo Internship Academic Interaction programmes.

Agenda Item 6:

Training and placements

Resolution:

- The Principal, AIPS staff members discussed and took a resolution and informed and the faculty members to implement the following from the academic year.
- Students who cleared all the subjects and secured CGPA above 7 should enroll for GPAT Programme.
- Students who cleared all the subjects and obtained CGPA between 6-7 should enroll for PGECET Programme.
- All the remaining students should attend CRT classes conducted by the college.
- Dr. M. Rama Krishna, informed the faculty members to organize various activities in the form of Competitions, Guest lectures, Career guidance, Entrepreneurship programmes etc for the students to improve their knowledge, skills and keep them abreast with the changing demands of the industries.

Agenda Item 7:

Workshops/FDPS

Resolution:Dr. Y. Jayapradha, suggested the faculty to attend the FDP every year.

chnical Educat

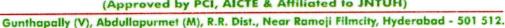
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- She suggested the importance of proving training programmes to non-teaching staff in Ms Office, Ms Word and Excel which are very useful in drafting and for preparing documents.
- She also advised the English faculty to train the junior faculty and nonteaching staff to compose emails, notices, official letters, circulars which are necessary for the needs of their

job and also for the professional development of the institution

Agenda Item 8:

Industrial Visits

Resolution:

- Dr. K. Balaji, proposed an idea of organizing regular industrial visits for the students Inreputed industries like Pfizer, Aurabindo
- To acquire knowledge on the working of men and machinery in different pharmacy

Industries

Dr. Nihar Ranjan Das suggested for arranging at least two guest lecturers to students in a semester.

Agenda Item 9:

Sports/NSS Activities

Resolution:

- M. Rajashekar proposed organizing Sports activities for the students and encourages the students to participate in competitions at the university, state or national level **Tournaments**
- He also informed the faculty members to conduct various technical events and NSS activities like Blood donation camps, Plantation drive, Swacch Bharat Campaign, Health check-up programs etc.

Agenda Item 10

Any other Issues Resolution:

Resolution

Dr. Nihar Ranjan Das, the IQAC coordinator instructed all the staff members to maintain updated stock registers, Maintenance registers, Complaint registers etc of all the laboratories duly verified by the committee.

It was also resolved after the discussion and should follow IQAC Audit Action Taken Report.

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S.no	Name of the faculty	Designation	Signature
1	Dr. K. BALAJI ,PRINCIPAL,AIPS	CHAIR PERSON	0
2	Dr.Y.JAYAPRADA,DIRECTOR- H.R	MEMBERR	A
3	Dr.NIHAR RANJAN DAS,VICE PRINCIPAL,AIPS IQAC COORDINATOR	MEMBER	March
4	Dr. M. RAMAKRISHNA PROFESSOR AND HEAD. DEPARTMENT OF PHARMACY	MEMBER	MRKil
5	Dr. B. MANJULA ASSOCIATE PROFESSOR AND HEAD. DEPARTMENT OF PHARM D	MEMBER	Mary la B
6	Dr.G.SAI KIRAN PROFESSOR	MEMBER	Ma
7	Dr.VISHNU SRAVAN BOLLU,PROFESSOR	MEMBER	S. Surt
8	M.RAJASHEKAR,PHYSICAL DIRECTOR	MEMBER	Populakey
9	S.SRIDEVI,LIBRARIAN	MEMBER	

ABDULLAPURME

PRINCIPAL

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R.R. Dist. Telangana.

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Date: 15.10.2022

DEPARTMENT OF PHARMACY

CIRCULAR

This is to inform that the Department Academic Committee (DAC) will be held on 18.10.2022 10:30AM at Principal Sir's chamber

Agenda:

- 1. Preparation of Department progress for the academic year 2022-23
- 2. Value added courses related to medical coding, Clinical SAS
- 3. Certificate courses/ Internship programs on Instrumentation handling
- 4. Project works on Pharmacological activities and Analytical designs
- 5. Research works on Plant extracts and their Pharmacological action
- 6. Training and Placements with respect to Multinational Pharmaceutical Industry needs
- 7. Industrial visits to formulation Pharmaceutical Industries
- 8. Extracurricular/ Co-curricular activities
- 9. Sports/NSS activities

10. Any other issues

PRINCIPAL

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INSTITUTE OF AVANTH! PHARMAGEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.

Copy to:

1.All HODS

2. IQAC coordinator

3. All the Committee Members

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MINUTES OF THE INSTITUTIONAL ACADEMIC PLANNING & ADVISORY COMMITTEE

The Institutional Academic Committee meeting was held on 18.10.2022 at 10AM in Principal's chamber. The principal welcomed the staff and briefed on the above objective of the institutional Academic Committee meeting. The principal started the deliberations by discussing the Academic Issues and emphasized the need to concentrate on new University regulations.

Agenda Item 1:

Preparation of Department progress for the academic year 2022-23

Resolution:

Dr. M. Rama Krishna, HOD Pharmacy Analysed the results of B.Pharmacy 2021-2022 academic year and expressed satisfaction for getting more than 85% of pass percentage Committee congratulated the faculty who met the target of 90% or more.

Agenda Item 2:

Value added Courses related to medical coding, Clinical SAS

Resolution:

The members of the committee have been proposed that value added courses related to medical coding, medical scribing and clinical SAS related to be included in each department though it's not included in the curriculum as it finds important for the development and employability of the B. Pharmacy

The members of the committee have been proposed that value added courses related to Quality Assurance and Quality control, Pharmaceutical technology and Pharmacological Assays should be included in each department though its not included in the curriculum as it finds important for the development and employability of the M.Pharmacy students.

Agenda Item 3:

Certificate courses/Internship programs on Instrumentation handling

Resolution:

The members suggested that every B. Pharmacy students should complete certification courses/Internship courses related to latest instrumentation handling, thesis writing courses.

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inical Educati

unthapaily (V), Abdullapurmet (M), R.R. Dist. Telangana

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Agenda Item 4:

Project works on Pharmacological activities and Analytical designs

Resolution:

- The members of the committee assigned the faculty to guide the B.Pharmacy students in project works related to plant extracts and pharmacological activities, pharmaceutics related projects and analytical projects.
- The members of the committee assigned the faculty to guide the students to perform real time projects related to drug design and drug development

Agenda Item 5:

Research works on Plant Extracts and their Pharmacological

action

Resolution:

Dr. K. Balaji, Principal adviced the faculty members to publish atleast one research Paper per semester in High Indexed Journal. The entire remaining faculty were

Suggested

to publish one paper in Scopus journal.

Dr. Vishnu Sravan Bollu, Professor advised all the faculty members to attend the FDP programs every year.

Agenda Item 6:

Training and placements with respect to Multinational Pharmaceutical Industry needs

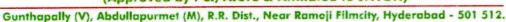
Resolution:

- The Principal, AIPS staff members discussed and took a resolution and informed and the faculty members to implement the following from the academic year:
- Students who cleared all the subjects and secured CGPA above 7 should enroll for GPAT Programme Students who cleared all the subjects and obtained CGPA between 6-7 should
- All the remaining students should attend CRT classes conducted by the college.
- Dr. M. Rama Krishna, informed the faculty members to organize various activities in the form of Competitions, Guest lectures, Career guidance, Entrepreneurship programmes etc for the students to improve their knowledge, skills and keep therm abreast with the changing demands of the industries CE

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Agenda Item 7:

Industrial Visits to formulation Pharmaceutical Industries

Resolution:

- Mr. A. Naga Srinivas proposed an idea of organizing regular industrial visits for the students in reputed multinational Pharmacy industries like Pfizer, Aurabindo, Dr. Reddys Laboratories, DIVIS Laboratories.
- To acquire knowledge on the working of men and machinery in different pharma industries.
- P. Lavanya suggested for arranging at least two guest lecturers to students in a Semester.

Agenda Item 8:

Sports/NSS Activities

Resolution:

- M. Rajashekar proposed organizing Sports activities for the students and encourages the students to participate in competitions at the university, state or national level tournaments.
- He also informed the faculty members to conduct various technical events and NSS He activities like Blood donation camps. Plantation drive, Swacch Bharat Campaign, Health check-up programs etc.,

Agenda Item 9:

Any other Issues

Resolution:

- The IQAC coordinator instructed all the staff members to maintain updated stock registers, Maintenance registers, Complaint registers etc of all the laboratories duly verified by the committee.
- It was also resolved after the discussion and should follow IQAC Audit Action Taken Report

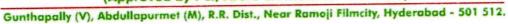
Abdullapurmet (M) R.R. Dist, Telangana.

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(Approved by PCI, AICTE & Affiliated to JNTUH)







List of DAC Members attended

s.no	Name of the faculty	Designation	Signature
1	Dr.K. BALAJI ,PRINCIPAL,AIPS	CHAIR PERSON	
2	Dr.Y JAYAPRADHA ,DIRECTOR-H.R	MEMBER	928
3	Dr.NIHAR RANJAN DAS,VICE PRINCIPAL,AIPS IQAC COORDINATOR	MEMBER	Mary
4	Dr.M.RAMAKRISHNA PROFESSOR AND HEAD. DEPARTMENT OF PHARMACY	MEMBER	M.R.Kinb
5	Dr.G.SAI KIRAN PROFESSOR	MEMBER	Short
6	Dr.VISHNU SRAVAN BOLLU,PROFESSOR	MEMBER	J. Serg
7	P.LAVANYA, ASSOCIATE PROFESSOR	MEMBER	
8	M.RAJASHEKAR,PHYSICAL DIRECTOR	MEMBER	Palachekaz
9	S.SRIDEVI, LIBRARIAN	MEMBER	

HOD



PRINCIPAL

PRINCIPAL

AVANTHU INSTITUTE OF

PHARMACEUTICAL SCIENCES

Junthapally (V), Abduilapurmet (M),

R.R. Dist. Telangana.





DEPARTMENT OF PHARMACY PRACTICE

CIRCULAR

Date: 27.06.2022

This is to inform that the Department Academic Committee (DAC) will be held on 01.07.2022 10:30AM at Principal Sir's chamber.

Agenda:

- 1. Preparation of department progress for the academic year 2022-23
- 2. Hospital training and Hospital visits
- 3. Clinical Project works
- 4. Community centers correlated training
- 5. Placement in Pharma IT Sector Companies.
- 6. Value added courses
- 7. Research works
- 8 Sports/NSS activities
- 9. Any other issues



PRINCIPAL PRINCIPAL

PHARMACEUTICAL SCIENCES
Gunthapally (V), Abdullapurmet (M),
R.R. Dist. Telangana.

Copy to:

- 1.All HODS
- 2.IQAC coordinator
- 3. All the Committee Members





MINUTES OF THE INSTITUTIONAL ACADEMIC PLANNING & ADVISORY COMMITTEE

The Institutional Academic Committee meeting was held on 01.07.2022 at 10AM in Principal's chamber. The principal welcomed the staff and briefed on the above objective of the Institutional Academic Committee meeting. The principal started the deliberations by discussing the Academic issues and emphasized the need to concentrate on new University regulations.

Agenda Item 1:

Preparation of Department progress for the academic year 2022-23

Resolution:

• Dr. B.Manjula, HOD Pharmacy Practice analysed the results of Pharm.D 2021-2022 academic year and expressed satisfaction for getting more than 85% of pass percentage. Committee congratulated the faculty who met the target of 90% or more.

Agenda Item 2:

Hospital training and Hospital visits

Resolution:

- Dr. P. Swathi suggested faculty to train the students to participate in bed side learning.
- Dr.. V. Anudeep proposed an idea of organizing regular hospital visits for the students in reputed hospitals like Global hospital, Gandhi hospital

Agenda Item 3:

Clinical Project works:

Resolution:

The members suggested that every student should complete atleast one clinical project which includes both cases and controls:

Agenda Item 4

Community centers centers correlated training

Resolution:

The members of the committee assigned the Pharmacy practice faculty to The members of the committee assigned the Pharmacy practice faculty to guide the students to participate in community center correlated training such as B.P monitoring, Glucose monitoring

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Agenda Item 5:

Placement in Pharma - IT Sector Companies:

Resolution:

- The Principal, AIPS staff members discussed and took a resolution and informed and the faculty members to implement the following from the academic year.
- Students should attend CRT classes conducted by the college.
- Dr. Md Abdul Azeem informed the faculty members to organize various activities in the form of Competitions, Guest lectures, Career guidance, Entrepreneurship programmes etc for the students to improve their knowledge, skills and keep them abreast with the changing demands of the industries.

Agenda Item 6:

Value added courses

Resolution:

The members of the committee have been proposed that value added courses related to clini-SAP, clinical research, Pharmacovigilance should be included in each department though its not included in the curriculum as it finds important for the development and employability of the students.

Agenda Item 7:

works

Resolution:

 Dr. B.Manjula advised the faculty members to publish atleast one research paper per semester in High Indexed Journal. The entire remaining faculty were suggested to publish one paper in Scopus journal

Agenda Item 8:

Sports/NSS activities

Resolution:

 M.Rajashekar proposed organizing Sports activities for the students and encourages the students to participate in competitions at the university, state or national level tournaments.

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PHARMACEUTICAL SCIENCES

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 MD Abdul Azeem also informed the faculty members to conduct various technical events and NSS activities like Blood donation camps, Plantation drive, Swacch Bharat Campaign, Health check-up programs etc.

Agenda Item 9:

Any other Issues

Resolution:

- Dr. Nihar Ranjan Das The IQAC coordinator instructed all the staff members to maintain updated stock registers, Maintainance registers, and Complaint registers of all the laboratories duly verified by the committee.
- It was also resolved after the discussion and should follow IQAC Audit Action Taken Report

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List Of DAC Members attended

S.no	Name of the faculty	Designation	Signature
1	Dr.K. BALAJI ,PRINCIPAL,AIPS	CHAIR PERSON	6
2	Dr.Y.JAYAPRADHA,DIRECTOR- H.R	MEMBERR	+33
3	Dr.NIHAR RANJAN DAS,VICE PRINCIPAL,AIPS IQAC COORDINATOR	MEMBER	M
4	Dr.B.MANJULA ASSOCIATE PROFESSOR AND HEAD. DEPARTMENT OF PHARM D	MEMBER	c langula 13
5	Dr.MD.ABDUL AZEEM	MEMBER	Azzeen
6	Dr. P. SWATHI ASSISTANT PROFESSOR	MEMBER	P8-
7	Dr. V.ANUDEEP, ASSISTANT PROFESSOR	MEMBER	Amy
8	M.RAJASHEKAR,PHYSICAL DIRECTOR	MEMBER	Refugleke
9	S.SRIDEVI,LIBRARIAN	MEMBER	

HOD



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R.R. Dist. Telangana.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

ACADEMIC CALENDAR 2022-23

PHARM. D (REGULAR) AND PHARM.D (PB) I YEAR

Pharm. D (Regular) and Pharm. D (PB) I Year

S. No	Description		Duration
		From	То
1	Commencement of classwork / Orientation programme	28.11.2022	
2	1 st Spell of Instructions	28.11.2022	25.02.2023 (13 Weeks)
3	Supplementary Examinations	27.02.2023	04.03.2023 (1 Week)
4.	First Mid Term Examinations	06.03.2023	11.03.2023 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before	17.03.2023	
6	2 nd Spell of Instructions (including Summer Vacation)	13.03.2023	17.06.2023 (14 Weeks)
7	Summer Vacation	15.05.2023	27.05.2023 (2 Weeks)
8	Second Mid Term Examinations	19.06.2023	24.06.2023 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	01.07.2023	
10	3 rd Spell of Instructions	26.06.2023	16.09.2023 (12 Weeks)
11	Third Mid Term Examinations	19.09.2023	25.09.2023 (1 Week)
12	Preparation Holidays and Practical Examinations	26.09.2023	09.10.2023 (2 Weeks)
13	Submission of Third Mid Term Exam Marks to the University on or before	03.10.2023	
14	End / Supplementary Examinations	10.10.2023	23.10.2023 (2 Weeks)

Note: No. of Working / Instructional Days: 208

REGISTRAR

Avanthi's Institute of Pharmaceutical Sciences
Gunthapally (V), Hayath Nagar (M),
Ranga Reddy Dist.

JAWAIIARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

ACADEMIC CALENDAR 2022-23

PHARM. D (REGULAR) AND PHARM.D (PB) II YEAR

Pharm. D (Regular) and Pharm. D (PB) II Year

S. No	Description		Duration
13. 140		From	То
l los	Commencement of classwork		31.10.2022
2	1 st Spell of Instructions	31.10.2022	28.01.2023 (13 Weeks)
3	First Mid Term Examinations	30.01.2023	04.02.2023 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before		10.02.2023
5	2 nd Spell of Instructions	06.02.2023	29.04.2023 (12 Weeks)
6	Supplementary Examinations	13.02,2023	20.02.2023(1 Week)
7	Second Mid Term Examinations	01.05.2023	06.05.2023 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before	12.05.2023	
9	3 rd Spell of Instructions (including Summer Vacation)	08.05.2023	12.08.2023(14 Weeks)
10	Summer vacation	15.05.2023	27.05.2023 (2 Weeks)
11	Third Mid Term Examinations	14.08.2023	19.08.2023 (1 Week)
12	Preparation Holidays and Practical Examinations	21.08.2023	02.09.2023 (2 Weeks)
13	Submission of Third Mid Term Exam Marks to the University on or before		25.08.2023
14	End / Supplementary Examinations	04.09.2023	16.09.2023 (2 Weeks)

REGISTRAR

THE OF PHARMACE!

Avanthi's Institute of Pharmaceutical Sciences

Avanthi's Institute of Pharmac

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

ACADEMIC CALENDAR 2022-23

Pharm. D (Regular) and Pharm. D (PB) III Year

Pharm. D (Regular) III Year

S. No	Description	Duration	
1.	Commencement of classwork	From	To
<u> </u>			05.09.2022
2.	1st Spell of Instructions (including Dusselira Recess)	05.09,2022	03.12.2022 (13 Weeks)
3,	Dusschra Recess	03.10.2022	
4.	First Mid Term Examinations		08 10.2023
5.	2nd Spell of Instructions	05.12.2023	10 12.2022 (1 Week)
	Submission of First Mid Term Exam Marks to	12.12.2022	04.03.2023 (12 Weeks)
6.	the University on or before		17.12.2022
7.	Supplementary Examinations	19.12.2022	3.10.000
8.	Second Mid Term Examinations	06.03 2023	24 12 2022
9.	3rd Spelt of Instructions	ŧ	11.03.2023 (1 Week)
70	Submission of Second Mid Term Exam Marks to	13.03.2023	17 06.2023 (14 Weeks)
10.	the University on or before	ner de la reconstrucción de la	18.03.2023
11.	Summer Vacation .	15.05.2023	27.05.2023 (2 Weeks)
12.	Third Mid Term Estatainations	19.06.2023	24.06.2023 (1 Week)
13.	Preparation Holidays and Practical Examinations	26.06.2023	
14.	Submission of Third Mid Lenn Exam Marks to	20.00.20.71	08.07.2023 (2 Weeks)
	the University on or before		01.07.2023
15.	End / Supplementary Examinations	10.07.2023	22.07.2023 (2 Weeks)

Note: No. of Working / Instructional Days: 204

Pharm.D (PB) III Year

No	Description	Duration	
		From	To
1.	Commencement of interaship in general ward	05.09.2022	04.03.2023 (6 Months)
2.	Report submission of internship in general ward		The second secon
3.	Commencement of internship in Specialty ward -1		06.03.2023
4.	Report submission fire the	107.03.2023	106.05.2023 (2Months)
-9 - 1000000	Report submission of internship in Specialty ward -1	or and a second	08 05.2023
5.	Commencement of internship in Specialty ward 2	09.05.2023	08.07.2023 (2Months)
6.	Report submission of internship in Specialty ward-2		
7.	Commencement of internship in Specialty ward - 3	7.10	10.07.2023
3	Report submission of interest in the secondary ward - 3	11.07.2023	09.09.2023(2 Months)
ž: 1	Report submission of internship in Specialty ward - 3		11.09.2023
··· .	Final viva of Internable		1., (2) 2) 11

PRINCIPAL
AVANTH! INSTITUTE OF
PHARMACEUTICAL SCIENCES
Gunthapally (V), Abdullapurmet (M),
R.R. Dist. Telangana.

REGISTRAR

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD **REVISED ACADEMIC CALENDAR 2022-23**

For All Constituent & Affiliated Colleges of JNTUII Pharm D. (Regular) IV, V & VI Year

Pharm. D. (Regular) IV & V Years

S. No	Description		Duration	
		From	To	
1.	Commencement of classwork		04.07.2022	
2.	1 st Spell of Instructions	04.07.2022	24.09.2022 (12 Weeks)	
3.	First Mid Term Examinations	26.09.2022	01.10.2022 (1 Week)	
4.	Dussehra Recess	03.10.2022	08.10.2022 (1 Week)	
5	2 nd Spell of Instructions	10.10.2022	31.12.2022 (12 Weeks)	
6.	Submission of First Mid Term Exam Marks to the University on or before		15.10.2022	
7.	Supplementary Examinations	19.12.2022	29.12.2022	
8.	Second Mid Term Examinations	02.01.2023	07.01.2023 (1 Week)	
9.	3 rd Spell of Instructions	09.01.2023	01.04.2023 (12 Weeks)	
10.	Submission of Second Mid Term Exam Marks to the University on or before		16.01.2023	
11.	Third Mid Term Examinations	03.04.2023	08.04.2023 (1 Week)	
12.	Preparation Holidays and Practical Examinations	10.04.2023	22.04.2023 (2 Weeks)	
13.	Submission of Third Mid Term Exam Marks to the University on or before		22.04.2023	
11.	End / Supplementary Examinations	24.04.2023	06.05.2023 (2 Weeks)	
15.	Summer Holidays	08.05.2023	20.05.2023 (2 Weeks)	

Pharm. D (Regular) VI Year

S. No	Description	Duration		
5.110		From	То	
1	Commencement of internship in General ward	04.07.2022	03.01.2023 (6 Months)	
2	Report submission of internship in General ward		04.01.2023	
3	Commencement of internship in Specialty ward -1	05.01.2023	04.03.2023 (2 Months)	
4	Report submission of internship in Specialty ward -1		06.03.2023	
5	Commencement of internship in Specialty ward -2	07.03.2023	06.05.2023 (2 Months)	
6	Report submission of internship in Specialty ward 2		08.05.2023	
7	Commencement of internship in Specialty ward - 3	09.05.2023	08.07.2023 (2 Months)	
8	Report submission of internship in Specialty ward - 3		10.07.2023	
9	Final viva of internship	7	12.07.2023	

PRINCIPAL

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

ACADEMIC CALENDAR 2022-23

M.Tech./ M.Pharm. I YEAR I & II SEMESTERS

1 SEM

	Description	Duration	
S. No		From	То
1	Commencement of I Semester classwork		26.10.2022
<u> </u>	1 st Spell of Instructions	26.10.2022	20.12.2022 (8 Weeks)
3	First Mid Term Examinations	21.12.2022	28.12.2022 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	04.01.2023	
5	2 nd Spell of Instructions	29.12.2022	25.02.2023 (8 Weeks)
6	Second Mid Term Examinations	27.02.2023	04.03.2023 (1 Week)
7	Preparation Holidays and Practical Examinations	06.03.2023	11.03.2023 (J Week)
8	Submission of Second Mid Term Exam Marks to the University on or before		11.03.2023
9	End Semester Examinations	13.03.2023	25.03.2023 (2 Weeks)

Note: No. of Working / Instructional Days: 94

II SEM

	Description	Duration	
S. No		From	To
1	Commencement of II Semester classwork	The second of the second second second second	27.03.2023
2	1 st Spell of Instructions (including Summer Vacation)	27.03.2023	03.06.2023 (10 Weeks)
3	Summer Vacation	15.05.2023	27.05.2023 (2 Weeks)
4	First Mid Term Examinations	05.06.2023	10.06.2023 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before	17.06.2023	
6	2 nd Spell of Instructions	12.06.2023	08.08.2023 (8 Weeks)
7	Second Mid Term Examinations	09.08.2023	16.08.2023 (1 Week)
8	Preparation Holidays and Practical Examinations	17.08.2023	23.08.2023 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before		23.08.2023
10	End Semester Examinations	24.08.2023	06.09.2023 (2 Wecks)

Note: No. of Working / Instructional Days: 91

SSITUTE OF PHARMACES

REGISTRAR

PRINCIPAL
Stitute of Pharmaceutical Sciences
Apally (V), Hayath Nagar (M),
Apally (V), Reddy Dist.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD ACADEMIC CALENDAR 2022-23

M. Tech./ M. Pharm. II YEAR I & II SEMESTERS

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18	1	IV

S. No	Description	Duration	
		From	, То
1	Commencement of I Semester classwork		21.10.2022
<u>2</u> 3	1 st Spell of Instructions	21.10.2022	15.12.2022 (8 Weeks)
3	Preparation of Project Work Proposals	21.10.2022	17.11.2022 (4 Weeks)
4	Project Work Review-I: (Project Submission & approval)	18.11.2022	24.11.2022 (1 Week)
5	Last date for submission of list of approved PRC-I students from the College to the University Examination branch.		26.11.2022
6	First Mid Term Examinations	16.12.2022	22.12.2022 (1 Week)
7	Submission of First Mid Term Exam Marks to the University on or before		30.12.2022
8	2 nd Spell of Instructions	23.12.2022	16.02.2023 (8 Weeks)
9	Second Mid Term Examinations	17.02.2023	23.02.2023 (1 Week)
10	Preparation Holidays and Practical Examinations	24.02.2023	02.03.2023 (1 Week)
11	Submission of Second Mid Term Exam Marks to the University on or before		01.03.2023
12	End Semester Examinations	03.03.2023	16.03.2023 (2 Weeks)

Note: No. of Working / Instructional Days: 92

II SEM

S. No	Description	Duration	
		From	То
1	Commencement of 11 Semester (Project Work Continuation) (25.11.2022 to 16.03.2023 – 16 weeks)		17.03.2023
2	Project Work Review -II (Phase-I)	17.03.2023	23.03.2023 (1 Week)
3	** Project Work Review -II (Phase-II)	11.04.2023	13.04.2023 (3 days)
4	Last date for submission of PRC-II marks		20.04.2023
5	Project Work Review -III (Phase -I) (24.03.2023 to 26.08,2023 - 22 Weeks)	28.08.2023	02.09.2023 (1 Week)
6	Last date for submission of Project Work Review-III (Phase-I) Marks	09.09.2023	
7	* Date of eligibility of thesis submission	09.09.2023	
8	Submission of Thesis and Project Viva – Voce Examination (PRC-III Phase-I)	***************************************	V7.07.2023
9	** Project Work Review III (Phase II) (04.09,2023 to 02.12.2023 13 Weeks)	04.12.2023	06.12.2023 (3 days)
10	Last date for submission of Project Work Review -III (Phase-II) Marks		09.12.2023
11	Submission of Thesis and Project Viva – Voce Examination (Phase-II) follows		

* After completion of 40 weeks from the date of approval of project work proposal and subject to approval of Project Work Review-III.

** Phase-II will be conducted only for unsuccessful students in Phase -I

Note: 1 The unsuccessful students in Project Work Review-II (Phase-II) shall appear for Project Work Review-III at the time of Project Work Review-III. These students shall reappear for Project Work Review-III in the next academic year at the time of Project Work Review -I only after completion of Project Work Review and then Project Work Review -III follows.

2 The Project Viva-Voe External examination Marks must be submitted on the day of examination to the University

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

ACADEMIC CALENDAR 2022-23

B. Pharm. I YEAR I & H SEMESTERS

I SEM

S. No	Description	Duration	
D. 110		From	To
1	Commencement of I Semester classwork / Orientation programme	28.11.2022	
2	1 st Spell of Instructions (including Induction programme)	28.11.2022	21.01.2023 (8 Weeks)
3	First Mid Term Examinations	23.01.2023	30.01.2023 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	04.02.2023	
5	2 nd Spell of Instructions	31.01.2023	29.03.2023 (8 Weeks)
6	Second Mid Term Examinations	31.03.2023	08.04.2023 (1 Week)
7	Preparation Holidays and Practical Examinations	10.04.2023	15.04.2023 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before	15.04.2023	
9	End Semester Examinations	17.04.2023	29.04.2023 (2 Weeks)

Note: No. of Working / Instructional Days: 93

II SEM

S. No	Description	Duration	
		From	То
1	Commencement of II Semester classwork	01.05.2023	
2	1 st Spell of Instructions (including Summer Vacation)	01.05.2023	08.07.2023 (10 Weeks)
3	Summer Vacation	15.05.2023	27.05.2023 (2 Weeks)
4	First Mid Term Examinations	10.07.2023	15.07.2023 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before	22.07.2023	
6	2 nd Spell of Instructions	18.07.2023	11.09,2023 (8 Weeks)
7.	Second Mid Term Examinations	12.09.2023	16.09.2023 (1 Week)
8	Preparation Holidays and Practical Examinations	19.09.2023	23.09.2023 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before		23.09.2023
10	End Semester Examinations	25.09.2023	07.10.2023 (2 Weeks)

Note: No. of Working / Instructional Days: 92

OTHURMACEUTICAL COULTRANSPORT

PRINCIPAL REGISTRAR

PRINCIPAL REGISTRAR

Avanthi & Institute of Pharmaceutical Sciences ISTRAR

Gunthapally (V), Hayath Nagar (M),

Ranga Reddy Dist.

Ranga Reddy Dist.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

ACADEMIC CALENDAR 2022-23

B. Tech./B.Pharm. II YEAR I & II SEMESTERS

1 SEM

S. No	Description	Duration	
		From	, To
1	Commencement of I Semester classwork	28.11.2022	
2	1 st Spell of Instructions	28.11.2022	21.01.2023 (8 Weeks)
3	First Mid Term Examinations	23.01.2023	30.01.2023 (8 Weeks)
4	Submission of First Mid Term Exam Marks to the University on or before	04.02.2023 (1 week	
5	2 nd Spell of Instructions	31.01.2023	29.03.2023 (8 Weeks)
6	Second Mid Term Examinations	31.03.2023	08.04.2023 (1 Week)
7	Preparation Holidays and Practical Examinations	10.04.2023	15.04.2023 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before	15.04.2023	
9	End Semester Examinations	17.04.2023	29.04.2023 (2 Weeks)

Note: No. of Working / Instructional Days: 93

II SEM

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	01.05.2023	
2	1 st Spell of Instructions (including Summer Vacation)	01.05.2023	08.07.2023 (10 Weeks)
3	Summer Vacation	15.05.2023	
4	First Mid Term Examinations	10.07.2023	27.05.2023 (2 Weeks) 15.07.2023 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before		22.07.2023 (1 Week)
6	2 nd Spell of Instructions	18.07.2023	11.00.2022 /0.00
7	Second Mid Term Examinations	12.09.2023	11.09.2023 (8 Weeks)
8	Preparation Holidays and Practical Examinations	19.09.2023	16.09.2023 (1 Week) 23.09.2023 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	23.09.2023	
10	End Semester Examinations	25.09.2023	07.10.2023 (2 Weeks)

Note: No. of Working / Instructional Days: 92

OF PHARMACE

* ARMITTAPINE

REGISTRAR

Avanthi's Institute of Pharmaceutical Sciences

Avanthi's Institute of Pharmac

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD <u>ACADEMIC CALENDAR 2022-23</u>

B. Tech./B. Pharm. III YEAR I & II SEMESTERS

1 SEM

S. No	Description		Duration
		From	. То
1	Commencement of I Semester classwork	CONTRACTOR OF THE CONTRACTOR O	09.09.2022
2.	1 st Spell of Instructions (including Dussehra Recess)	09.09.2022	10.11.2022 (9 Weeks)
3	Dussehra Recess	03.10.2022	08.10.2022 (1 Week)
4	First Mid Term Examinations	11.11.2022	17.11.2022 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before		24.11.2022
6	2 nd Spell of Instructions	18.11.2022	12.01.2023 (8 Weeks)
7	Second Mid Term Examinations	16.01.2023	21.01.2023 (1 Week)
8	Preparation Holidays and Practical Examinations	23.01.2023	28.01.2023 (1 Week)
9.	Submission of Second Mid Term Exam Marks to the University on or before	AMERICAN STATE OF THE STATE OF	30.01.2023
10	End Semester Examinations	30.01.2023	11.02.2023 (2 Weeks)

Note: No. of Working/instructional days: 92

II SEM

S. No	Description	Duration	
3.110		From	То
1	Commencement of II Semester classwork		13.02.2023
2	1 st Spell of Instructions	13.02.2023	08.04.2023 (8 Weeks)
3	First Mid Term Examinations	10.04.2023	15.04.2023 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	22.04.2023	
5	2 nd Spell of Instructions (including Summer Vacation)	17.04.2023	24.06.2023 (10 Weeks)
6	Summer Vacation	15.05.2023	27.05.2023 (2 Weeks)
7	Second Mid Term Examinations	26.06.2023	01.07.2023 (1 Week)
8 .	Preparation Holidays and Practical Examinations	03.07.2023	08.07.2023 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	08.07.2023	
10	End Semester Examinations	10.07.2023	22.07.2023 (2 Weeks)

Note: No. of Working/ instructional days: 90

OL PHARMACO

PRINCIPAL REGISTARY

Evanthi: Institute of Pharmaceutical Scientific Reports (M), Hayath Nagar (M),

Gunthapally (V), Hayath Nagar (M),

Ranga Reddy Dist.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

ACADEMIC CALENDAR 2022-23 B. Tech./B. Pharm. IV YEAR I & II SEMESTERS

ISEM

S. No	Description	Duration	
1 .	Commencement of 1 Semester classwork	From	То
^	1st Spell of Instructions (including		29.08.2022
	Dussehra Recess)	29.08.2022	31.10.2022 (9 Weeks)
3	Dussehra Recess		51.10.2022 (9 Weeks
1	First Mid Term Examinations	03.10.2022	08.10.2022 (1 Week)
5	Submission of First Mid Term Exam Marks	01.11.2022	07.11.2022 (1 Week)
	to the University on or before		12.11.2022
	2nd Spell of Instructions	09.11.2022	
*********	Second Mid Term Examinations	04.01.2023	03.01.2023 (8 Weeks)
	Preparation Holidays and Practical	***************************************	10.01.2023 (1 Week)
	Examinations	11.01.2023	19.01.2023 (1 Week)
	Submission of Second Mid Term Exam Marks to the University on or before		17.01.2023
	I III Jemediar Lucia		02.02.2023(2 Weeks)

Note: No. of Working/instructional days: 94

II SEM

S. No	Description		Duration
1 2 3 4 5	Commencement of II Semester classwork 1st Spell of Instructions First Mid Term Examinations Submission of First Mid Term Exam Marks to the University on or before 2nd Spell of Instructions	03.02.2023 01.04.2023	To 03.02.2023 31.03.2023 (8 Weeks) 08.04.2023 (1 Week) 15.04.2023
8	Summer Vacation Second Mid Term Examinations Preparation Holidays and Practical Examinations Submission of Second Mid Term Exam	10.04.2023 15.05.2023 19.06.2023 26.06.2023	17.06.2023 (10 Weeks) 27.05.2023 (2 Weeks) 24.06.2023 (1 Week) 01.07.2023 (1 Week)
	End Semester Examinations	03.07.2023	01.07.2023 15.07.2023 (2 Weeks)

Note: No. of Working/instructional days: 91

REGISTRAR

PRINCIPAL INSTITUTE

AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES

Punthapally (V), Abdullapurmet (M),

R.R. Dist. Telasocia.

INSTITUTIONAL ACADEMIC CALENDER

ACADEMIC YEAR 2022-2023

S.NO	DATE	NAME OF THE EVENT			
JUNE	01.06.2022	INSTITUTIONAL ACADEMIC COMMITTEE MEETING			
JULY	01.07.2022	DEPARTMENT ACADEMIC COMMITTEE MEETING			
	04.07.2022	COMMENCEMENT OF CLASSWORK FOR PHARM D IV			
		&V YEAR AND			
		I SPELL OF INSTRUCTIONS			
		COMMENCEMENT OF INTERNSHIP IN GENERAL			
		WARD			
	14.07.2022	GOVERNING BODY MEETING			
	25.07.2022	FINANCE COMMISSION MEETING			
	27.07.2022	ANTI RAGGING COMMITEE MEETING			
· · · · · · · · · · · · · · · · · · ·	29.08.2022	COMMENCEMENT OF 1ST SEMESTER CLASSWORK			
		FOR B.PHARM. IV YEAR			
	29.08.2022-	1 ST SPELL OF INSTRUCTIONS INCLUDING DUSSERA			
AUG	TO	RECESS FOR B.PHARM IV YEAR			
	31.10.2022				
	31.08.2022	VINAYAKA CHAVITHI			
		COMMENCEMENT OF CLASSWORK FOR PHARM D III			
		YEAR			
SEPT	05.09.2022	TEACHER'S DAY			
	02.09.2022	AWARENESS PROGRAM ON HIGHER EDUCATION			
	30.09.2022	NATIONAL NUTRITION DAY			
	09.09.2022	COMMENCEMENT OF 1ST SEMESTER CLASSWORK			
		FOR B.PHARM. III YEAR			
	09.09.2022-	1 ST SPELL OF INSTRUCTIONS INCLUDING DUSSEHRA			
	10.11.20202	FOR B.PHARM III YEAR			
	25.09.2022	WORLD PHARMACIST DAY			
	25.09.2022	BATHUKAMMA			
	26.09.2022	I MID OF EXAMINATIONS FOR PHARM D IV & V YEAR			
OCT	02.10.2022	GANDHI JAYANTHI-AWARENESS PROGRAMME ON			
		NATIONAL PEACE			
	03.10.2022-	DUSSEHRA RECESS			
	8.10.2022				
	05.10.2022	VIJAYA DASAMI			
	06.10.2022	FOLLOWING DAY OF VIJAYA DASAMI			
	09.10.2022	EID MILADUN NABI			

Committed to Excellence in Sechnical Education NCIPAL OF AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES PHARMACEUTICAL SCIENCES (M), Gunthapally (V), Abdullapurmet (M), Gunthapally (V), Abdullapurmet (M), Dist. Telangana.

COULLADIEM!

10 10 2022	II CDELL OF INCTRICTION FOR BUARAGE IN AND IN					
10.10.2022	II SPELL OF INSTRUCTION FOR PHARM D IV AND V YEARS					
18.10.2022	DEPARTMENT ACADEMIC COMMITTEE MEETING					
25.10.2022	DEEPAVALI					
26.10.2022	COMMENCEMENT OF CLASSWORK FOR M PHARM 1 ST					
	YEAR					
	I SPELL FOR M PHARM 1 ST YEAR I SEM					
31.10.2022	COMMENCEMENT OF CLASSWORK FOR PHARM D II YEAR					
01.11.2022 TO	FIRST MID TERM EXAMINATIONS FOR IV YEAR					
07.11.2022						
08.11.2022	KARTHIKA POURNAMI/GURUNANAK'S BIRTH DAY					
09.11.2022-	2 ND SPELL OF INSTRUCTIONS FOR B.PHARM IV YEAR					
TO 03.01.23						
11.11.2022	FIRST MID TERM EXAMINATIONS FOR III YEAR					
12.11.2022	SUBMISSION OF FIRST MID TERM EXAMINATION					
	MARKS TO THE UNIVERSITY ON OR BEFORE					
14.11.2022	CHILDREN'S DAY CELEBRATIONS					
18.11.2022	2 ND SPELL OF INSTRUCTIONS FOR B.PHARM III YEAR					
TO						
12.01.2022						
20.11.22 to	PLANNING TO CELEBRATE NATIONAL PHARMACY					
26.11.2022	WEEK					
24.11.2022	SUBMISSION OF FIRST MID TERM EXAMINATION MARKS TO THE UNIVERSITY ON OR BEFORE					
28.11.2022	COMMENCEMENT OF I SEMESTER CLASSWORK FOR B.PHARM I,II YEAR COMMENCEMENT OF CLASSWORK OF PHARM D 1 ST					
	YEAR					
28.11.2022- 21.01.2023	1 ST SPELL OF INSTRUCTIONS FOR B.PHARM I,II YEAR AND PHARM D 1 ST YEAR					
30.11.2022	INDUCTION PROGARAM/ ORIENTATION PROGRAM					
01.12.2022	WORLD AIDS DAY					
05.12.2022	I MID EXAMS FOR PHARM D III YEAR					
10.12.2022	HUMAN RIGHTS DAY					
	HUMAN RIGHTS DAY II SPELL OF INSTRUCTION FOR PHARM D 3 RD YEAR					
10.12.2022						
10.12.2022 12.12.2022	II SPELL OF INSTRUCTION FOR PHARM D 3RD YEAR					
10.12.2022 12.12.2022 20.12.2022	II SPELL OF INSTRUCTION FOR PHARM D 3 RD YEAR PLANNING FOR GUEST LECTURE					
10.12.2022 12.12.2022 20.12.2022 20.12.2022	II SPELL OF INSTRUCTION FOR PHARM D 3 RD YEAR PLANNING FOR GUEST LECTURE					
	25.10.2022 26.10.2022 31.10.2022 01.11.2022 TO 07.11.2022 08.11.2022 09.11.2022- TO 03.01.23 11.11.2022 TO 17.11.2022 12.11.2022 14.11.2022 14.11.2022 20.11.22 to 26.11.2022 24.11.2022 24.11.2022 28.11.2022 28.11.2022 21.01.2023					

* ABDULLAPURM

Committed to Secellence in Fechnical Education RINCIPAL OF THIS TITUTE OF AVANTHI THE SCIENCES AVANTHICAL SCIENCES (M), PHARMACEUTICAL SCIENCES (M), Abdulia purmet (M), Aunthapaliy (V), Abdulia purmet (M), Abdulia purmet (M),

	26.12.2022	BOXING DAY				
	29.12.2023	II SPELL EXAMINATIONS FOR M PHARM 1ST YEAR				
JAN	1st Week	PLANNING FOR ANTI-RAGGING COMMITTEE				
		MEETING				
	01.01.2023	NEW YEAR				
	02.01.2023	II MID OF EXAMINATIONS FOR PHARM D IV AND V				
		YEAR				
	03.01.2023	FRESHERS DAY CELEBRATIONS				
	09.01.2023	III SPELL OF INSTRUCTIONS FOR PHARM D IV AND V				
		YEARS				
	4.01.2023 TO	SECOND MID TERM EXMINATIONS FOR B.PHARM IV				
	10.01.2023	YEAR.				
		REPORT SUBMISSION OF INTERNSHIP IN GENERAL				
		WARD FOR PHARM D VI YEAR				
	05.01.2023	COMMMENCEMENT OF INTERNSHIP IN SPECIALITY				
		WARD-1 FOR PHARM D VI YEAR				
	11.01.2023	ANTI RAGGING COMMITEE MEETING				
		PONGALO CLEBRATIONS				
	11.01.2023	PREPARATION HOLIDAYS AND PRACTICAL				
	TO	EXAMINATION FOR B.PHARM.IV YEAR				
	19.01.2023					
	12.01.2023	NATIONAL YOUTH DAY				
	14.01.2023	MAKARA SANKRANTHI				
	15.01.2023	PONGAL				
	16.01.2023	SECOND MID TERM EXAMINATIONS FOR B.PHARMIII				
	TO	YEAR				
	21.01.2023					
	17.01.2023	SUBMISSION OF SECOND MID TERM EXAMINATION				
		MARKS TO THE UNIVERSITY ON OR BEFORE				
	21.01.2023	IQAC MEETING				
	20.01.2023	END SEMESTER EXAMINATION FOR B.PHARM IV				
	TO	YEAR				
	02.02.2023					
	23.01.2023	FIRST MID EXAMINATIONS FOR B.PHARM.I,II YEAR				
	TO					
	30.01.2023					
	24.01.2023	BETI-BACHAO-BETI PADAO AWARENESS PROGRAM				
	28.01.2023	SAVE GIRL CHILD AWARENESS PROGRAM				
	23.11.2023-	PREPARATION HOLIDAYS AND PRACTICAL				
	TO	EXAMINATION FOR B.PHARM.III YEAR				
	28.01.2023					
	30.01.2023	END SEMESTER EXAMINATIONS FOR B.HARM.III				
	TO	YEAR				
	11.02.2023	OF PHARMACO				

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	26.01.2023	DEDITION OF EDD ATIONS					
	30.01.2023	REPUBLIC DAY CELEBRATIONS SUBMISSION OF SECOND MID TERM EXAMINATION					
	30.01.2023						
	21.01.2022	MARKS TO THE UNIVERSITY ON OR BEFORE					
	31.01.2023	2 ND SPELL OF INSTRUCTIONS FOR B.PHARM I,II YEAR					
	TO						
	29.03.2023						
FEB	03.02.2023	COMMENCEMENT OF II SEMESTER CLASSWORK FOR					
	02.02.2022	B.PHARM IV YEAR					
	03.02.2023-	1 ST SPELL OF INSTRUCTIONS FOR B.PHARM.IV YEAR					
	31.3.23	CLIDA GOCIONI OE EIDOTA GO TERRA LA PARO TO TARE					
	04.02.23	SUBMISSION OF FIRST MID TERM MARKS TO THE					
	07.02.2022	UNIVERSITY ON OR BEFORE					
	06.02.2023	II SPELL OF INSTRUCTION					
	06.02.2023	FACULTY DEPARTMENT PROGRAMME					
	TO						
	10.02.2023						
	2 nd Week	PLANNING FOR PARENT TEACHER MEETING					
	13.02.2023	COMMENCEMENT OF II SEMESTER CLASSWORK FOR					
		B.PHARM III YEAR					
	13.02.2023	1ST SPELL OF INSTRUCTIONS FOR B.PHARM I,II YEAR					
	TO						
	08.04.2023						
	18.02.2023	MAHASHIVARATRI					
	27.02.2023	II MID OF EXAMINATIONS FOR M PHARM IST YEAR					
MARCH	06.03.2023	I MID OF EXAMINATION OF PHARM D 1ST AND					
		IIIYEAR					
		REPORT SUBMISSION OF INTERNSHIP IN SPECIALITY					
		WARD-1 FOR PHARM D VI YEAR					
		PREPARTION AND PRATICALS FOR M PHARM 1ST					
		YEAR					
ı	07.03.2023	HOLI					
		COMMENCEMENT OF INTERNSHIP IN SPECIALITY					
		WARD-2 FOR PHARM D VI YEAR					
	11.03.2023	TRADITIONAL DAY					
-	13.03.2023	II SPELL OF INSTRUCTION FOR PHARM D 1ST III YEAR					
		END EXAMINATIONS FOR M PHARM 1ST YEAR					
	16.03.2023	COLLEGE ACADEMY COMMITTEE MEETING					
	08.03.2023	WOMEN'S DAY CELEBRATIONS					
	16.03.2023	SPORTS AND CULTURAL ACTIVITIES ON THE					
12	TO	OCCASION OF BIO-ADHYAYAN 2K23					
	17.03.2023	COMMENCEMENT OF II SEMESTER (PROJECT WORK					
		CONTINUATION) M PHARM					
		II YEAR					
		PROJECT WORK REVIEW-II (PHASE-I)					
	21.03.2023	TREE PLANTATION, WATER CONSERVATION DAY					

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	22.03.2023	UGADI				
	27.03.2023	COMMENCEMNT OF CLASSWORK FOR M PHARM 2				
		SEM AND I SPELL OF INSTRUCTION				
	30.03.2023	RAM NAVAMI				
	31.03.2023	NSS VOLUNTEERS ORIENTATION				
	31.03.2023	SECOND MID TERM EXAMINATIONS FOR				
	TO	B.PHARM.I,II YEAR				
	08.04.2023					
APRIL	01.04.2023	FIRST MID TERM EXAMINATIONS FOR B.PHARM IV				
	TO 8.04.2023	YEAR				
	03.04.2023	III MID OF EXAMINATIONS FOR PHARM D IV And V				
		YEARS				
	05.04.2023	BABU JAGJIVAN RAM JAYANTI				
	07.04.2023	GOOD FRIDAY				
	10.04.2023	AWARENESS ON WOMEN SAFETY MEASURES				
	10.04.2023	2 ND SPELL OF INSTRUCTIONS INCLUDING SUMMER				
	TO	VACATION FOR B.PHARM IV YEAR				
	17.06.2023					
	10.04.2023	PREPARATION HOLYDAYS AND PRACTICAL				
	TO	EXAMINATION FOR I YEAR,				
	15.04.2023	FIRST MID TERM EXAMINATIONS FOR B.PHARM III				
		YEAR				
	14.04.2023	Dr. AMBEDKAR JAYANTI				
	15.04.2023	SUBMISSION OF SECOND MID TERM EXAMINATION				
		MARKS TO THE UNIVERSITY ON OR BEFORE				
	17.04.2023-	END SEMESTER EXAMINATION FOR B.PHARM I,II				
	29.04.2023	YEAR				
	11.04.2023	PROJECT WORK REVIEW (PHASE-II) FOR M PHARM				
	17.04.2023	2 ND SPELL OF INSTUCTIONS INCLUDING SUMMER				
	TO	VACATION FOR III YEAR				
	24.06.2023					
	20.04.2023	WORLD EARTH DAY				
		LAST DATE FOR SUBMISSION OF PRC-II FOR M				
		PHARM II YEAR				
	24.04.2023	END EXAMINATIONS FOR PHARM D IV AND V				
		YEARS				
	22.04.2023	SUBMISSION OF FIRST MID TERM EXAM MARKS TO				
		THE UNIVERSITY ON OR BEFORE				
		IDUL FITR				
MAY	01.05.2023	COMMENCEMENT OF II SEMESTER CLASSWORK FOR				
		B.PHARM I,II YEAR				
		II MID FOR PHARM D 2 ND YEAR				
	01.05.2023-	1 ST SPELL OF INSTRUCTIONS INCLUDING SUMMER				
	08.07.2023	VACATION FOR B.PHARM I,II YEAR				
	05.05.2023	PLANNING FOR GUEST LECTURE				

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	15.05.2022	ADD ONWALLIE ADDED COURGES FOR ALL					
	15.05.2023-	ADD ON/VALUE ADDED COURSES FOR ALL					
	19.05.2023	B.PHARM,M.PHARM & PHARM.D STUDENTS					
	08.05.2023	III SPELL OF INSTRUCTION FOR PHARM D 2 ND YEAR					
		REPORT SUBMISSION OF INTERNSHIP IN SPECIALITY					
		WARD -2 FOR PHARM D VI YEAR					
	09.05.2023	COMMENCEMENT OF INTERNSHIP IN SPECIALITY					
		WARD-3 FOR PHARM D VI YEAR					
	17.05.2023	GOVERNING BODY MEETING					
	15.05.2023-	SUMMER VACATION					
	27.05.2023						
	28.05.2023	WORLD NUTRITION DAY					
JUNE	19.06.2023	SECOND MID TERM EXAMINATIONS FOR					
"	TO	B.PHARM.IV YEAR AND III MID PHARM D 1ST AND III					
	24.06.2023	YEAR					
	05.06.2023	I MID OF EXAMINATIONS FOR M PHARM II SEM					
	12.06.2023	II SPELL OF INSTRUCTIONS FOR M PHARM II SEM					
1	26.06.2023-	SECOND MID TERM EXAMINATIONS FOR B.PHARM					
	01.07.2023	III YEAR					
		PREPARATION HOLYDAYS AND PRACTICAL					
		EXAMINATIONS FOR B.PHARM.IV AND III YEAR AND					
		III SPELL FOR PHARM D 1 ST YEAR					
	29.06.2023	BAKRID					
JULY	01.07.2023	SUBMISSION OF SECOND MID TERM EXAMINATION					
		MARKS TO THE UNIVERSITY ON OR BEFORE					
	03.07.2023-	END SEMESTER EXAMINATIONS					
	15.07.2023						
	03.07.2023-	PREPARATION HOLIDAYS AND PRACTICAL					
	8.07.2023	EXAMINATIONS FOR B.PHARM III YEAR					
	08.07.2023	SUBMISSION OF SECOND MID TERM EXAM MARKS					
		TO THE UNIVERSITY ON OR BEFORE					
	10.07.2023-	FIRST MID TERM EXAMINATIONS FOR B.PHARM.I,II					
	15.07.2023	YEAR					
	10.07.2023-	REPORT SUBMISSION OF INTERNSHIP IN SPECIALITY					
	22.07.2023	WARD-3 FOR PHARM D VI YEAR					
		END SEMESTER EXAMINATIONS FOR III YEAR					
	12.07.2023	FINAL VIVA OF INTERNSHIP					
	17.07.2023	BONALU					
	22.07.2023	SUBMISSION OF FIRST MID TERM EXAM MARKS TO					
		THE UNIVERSITY ON OR BEFORE					
	18.07.2023-	2 ND SPELL OF INSTRUCTIONS FOR B.PHARM II YEA					
	11.09.2023						
	29.07.2023	MOHARAM					
AUG	15.08.2023	INDEPENDENCE DAY					

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09.08.2023	II MID OF EXAMINATIONS FOR M PHARM II SEM					
14.08.2023	III MID EXAMS FOR PHARM D II YEAR					
17.08.2023	PREPARATION AND PRATICALS FOR M PHARM I					
	YEAR II SEM					
21.08.2023	PREPARATION AND PRATICALS					
28.08.2023	PROJECT WORK REVIEW-III FOR M PHARM					
24.08.2023	END EXAMINATIONS FOR M PHARM II SEM					
07.09.2023	SRI KRISHNA ASTAMI					
04.09.2023	END EXAMINATIONS FOR PHARM D 2 ND YEARS					
09.09.2023	LAST DATE FOR SUBMISSION OF PROJECT WORK					
-	REVIEW-III FOR M PHARM					
	DATE OPF ELIGIBITY OF THESIS SUBMISSION					
12.09.2023-	SECOND MID TERM EXAMINATIONS FOR B.PHARMII					
16.09.2023	YEAR					
18.09.2023	VINAYAKA CHAVITHI					
23.09.2023	SUBMISSION OF SECOND MID TERM EXAM MARKS					
	TO THE UNIVERSITY ON OR BEFORE					
25.09.2023-	END SEMESTER EXAMINATIONS FOR II YEAR AND					
07.10.2023	PREPARATION AND PRATICALS FOR PHARM D 1ST					
	YEAR					
28.09.2023	EID MULADUN NABI					
02.10.2023	MAHATMA GANDHI JAYANTHI					
14.10.2023	BATHUKAMMA					
24.10.2023	VIJAYA DASAMI					
12.11.2023	DEEPAVALI					
19.11.2023	PHARMACY WEEK CELEBRATIONS					
To						
25.11.2023						
27.11.2023	KARTHIKA PURNIMA					
04.12.2023	PROJECT WORK REVIEW-III (PHASE-III) FOR M					
	PHARM II YEAR					
09.12.2023	LAST DATE FOR SUBMISSION OF PROJECT WORK					
	REVIEW-III (PHASE-III) FOR M PHARM II YEAR					
	17.08.2023 21.08.2023 28.08.2023 24.08.2023 07.09.2023 04.09.2023 09.09.2023 12.09.2023 18.09.2023 23.09.2023 25.09.2023 25.09.2023 28.09.2023 14.10.2023 14.10.2023 12.11.2023 19.11.2023 19.11.2023 27.11.2023 27.11.2023					

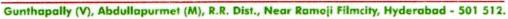


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DEPARTMENT OF PHARMACY

ACADEMIC CALENDER 2022-2023

B. PHARMACY

EVENT	I YEAR		II YEAR		III YEAR		IV YEAR	
EVENT	SEM I	SEM II	SEM I	SEM II	SEM I	SEM II	SEM I	SEM II
COMMENCEMENT OF	28-11-	01-05-	28-11-	01-05-	09-09-	13-02-	29-08-	03-02-
CLASSWORK	2022	2023	2023	2023	2022	2023	2022	2023
I SPELL OF INSTRUCTION	28-11-	01-05-	28-01-	01-05-	09-09-	13-02-	29-08-	03-02-
	2022	2023	2023	2023	2022	2023	2022	2023
I MID OF EXAMINATION	23-01-	10-07-	23-01-	10-07-	11-11-	10-04-	01-11-	01-04-
	2023	2023	2023	2023	2022	2023	2022	2023
II SPELL OF INSTRUCTION	31-01- 202- 2023	18-07- 2023	31-01- 2023	18-07- 2023	18-11- 2022	17-04- 2023	09-11- 2022	10-04- 2023
II MID OF EXAMINATION	31-03-	12-09-	31-03-	12-09-	16-01-	26-06-	04-01-	19-06-
	2023	2023	2023	2023	2023	2023	2023	2023
PREPARATION AND PRACTICALS	10-04-	19-09-	10-04-	19-09-	23-01-	03-07-	11-01-	26-06-
	2023	2023	2023	2023	2023	2023	2023	2023
END EXAMINATIONS	17-04-	25-09-	17-04-	25-09-	30-01-	10-07-	20-01-	03-07-
	2023	2023	2023	2023	2023	2023	2023	2023

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DEPARTMENT OF PHARMACY

ACADEMIC CALENDER 2022-2023

M PHARM I & II YEAR

EVENT	I YEAI	2
EVENT	SEM-I	SEM-II
COMMENCEMENT OF CLASSWORK	26-10-2022	27-03-2023
I SPELL OF INSTRUCTION	26-10-2022	27-03-2023
I MID OF EXAMINATION	21-12-2022	05-06-2023
II SPELL OF INSTRUCTION	29-12-2022	12-06-2023
II MID OF EXAMINATION	27-02-2023	09-08-2023
PREPARATION AND PRACTICALS	06-03-2023	17-08-2023
END EXAMINATIONS	13-03-2023	24-08-2023

S.NO	DESCRIPTION	II YEAR
1	COMMENCEMENT OF II SEMESTER (PROJECT WORK CONTINUATION)	17-03-2023
2	PROJECT WORK REVIEW –II (PHASE-I)	17-03-2023
3	PROJECT WORK REVIEW (PHASE-II)	11-0402023
4	LAST DATE FOR SUBMISSION OF PRC –II	20-04-2023
5	PROJECT WORK REVIEW-III	28-08-2023
6	LAST DATE FOR SUBMISSION OF PROJECT WORK REVIEEW-III	09-09-2023
7	DATE OPF ELIGIBITY OF THESIS SUBMISSION	09-09-2023
8	SUBMISSION OF THESIS AND PROJECT VIVA VOCE EXAMINATION	-
9	PROJECT WORK REVIEW-III (PHASE-III)	04-12-2023
10	LAST DATE FOR SUBMISSION OF PROJECT WORK REVIEW-III (PHASE-III)	09-12-2023
11	SUBMISSION OF THESISAND PROJECT VIVA VOCE EXAMINATION (PHASE-II)	_

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DEPARTMENT OF PHARMACY PRACTICE

ACADEMIC CALENDER 2022-2023

PHARM.D I YEAR - VI YEAR

DESCRIPTION	LYEAR	II YEAR	III YEAR	IV YEAR	V YEAR
COMMENCEMENT OF CLASSWORK	28-11-2022	31-10-	05-09-	04-07-	04-07-
		2022	2022	2022	2022
I SPELL OF INSTRUCTION	28-11-2022	31-01-	05-09-	04-07-	04-07-
		2023	2022	2022	2022
I MID OF EXAMINATION	06-03-2023	30-01-	05-12-	26-09-	26-09-
		2023	2022	2022	2022
II SPELL OF INSTRUCTION	13-03-202-	06-02-	12-12-	10-10-	10-10-
	2023	2023	2022	2022	2022
II MID OF EXAMINATION	19-06-2023	01-05-	06-03-	02-01-	02-01-
		2023	2023	2023	2023
III SPELL OF INSTRUCTION	26-06-2023	08-05-	13-03-	09-01-	09-01-
		2023	2023	2023	2023
III MID OF EXAMINATION	19-06-2023	14-08-	19-06-	03-04-	03-04-
		2023	2023	2023	2023
PREPARATION AND PRACTICALS	26-09-2023	21-08-	26-06-	10-04-	10-04-
		2023	2023	2023	2023
END EXAMINATIONS	10-10-2023	04-09-	10-07-	24-04-	24-04-
		2023	2023	2023	2023
CLOSING PG INTERNSHIP (12 MONTHS)	-	-	-	-	

S.NO	DESCRIPTION	VI YEAR
1	COMMENCEMENT OF INTERNSHIP IN GENERAL WARD	04-07-2022
2	REPORT SUBMISSION OF INTERNSHIP IN GENERAL WARD	04-01-2023
3	COMMMENCEMENT OF INTERNSHIP IN SPECIALITY WARD-1	05-01-2023
4	REPORT SUBMISSION OF INTERNSHIP IN SPECIALITY WARD -1	06-03-2023
5	COMMENCEMENT OF INTERNSHIP IN SPECIALITY WARD-2	07-03-2023
6	REPORT SUBMISSION OF INTERNSHIP IN SPECIALITY WARD -2	08-05-2023
7	COMMENCEMENT OF INTERNSHIP IN SPECIALITY WARD-3	09-05-2023
8	REPORT SUBMISSION OF INTERNSHIP IN SPECIALITY WARD -3	10-07-2023
9	FINAL VIVA OF INTERNSHIP	12-07-2023

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by Act No. 30 of 2008) Kukatpally, Hyderabad, Telangana (India).

ACADEMIC REGULATIONS OF B.PHARM. (REGULAR/FULL TIME) STUDENTS WITH EFFECT FROM THE ACADEMIC YEAR 2022-23 (R-22)

<u>Under-Graduate Degree Programme in Pharmacy</u> 1.0

JNTUH offers a 4-year (8 semesters) Bachelor of Pharmacy (B.Pharm.) degree programme, 1.1 under Choice Based Credit System (CBCS) at its affiliated colleges with effect from the academic

2.0 Eligibility for admission

- 2.1 Admission to the under graduate programme shall be made either on the basis of the merit rank obtained by the qualified candidate in entrance test conducted by the Telangana State Government (EAMCET) or the University or on the basis of any other order of merit approved by the University, subject to reservations as prescribed by the government from time to time. 2.2
- The medium of instructions for the entire under graduate programme in Pharmacy will be English only.

B.Pharm. Programme structure 3.0

3.1 A student after securing admission shall pursue the under graduate programme in B.Pharm. in a minimum period of four academic years (8 semesters), and a maximum period of eight academic years (16 semesters) starting from the date of commencement of first year first semester, failing which student shall forfeit seat in B.Pharm course.

A student shall register for all subjects for covering 209 credits and each student shall secure 209 credits (with CGPA ≥ 6) required for the completion of the under graduate programme and award of

UGC/ PCI specified definitions/ descriptions are adopted appropriately for various terms and 3.2 abbreviations used in these academic regulations/ norms, which are listed below.

3.2.1 Semester scheme

Each under graduate programme is of 4 academic years (8 semesters) with the academic year being divided into two semesters of 23 weeks (≥ 100 instructional days) each, each semester shall have -'Continuous Internal Evaluation (CIE)' and 'Semester End Examination (SEE)'. Choice Based Credit System (CBCS) and Credit Based Semester System (CBSS) as indicated by UGC and curriculum/ course structure as suggested by PCI are followed.

3.2.2 Credit courses

All subjects/ courses are to be registered by the student in a semester to earn credits which shall be assigned to each subject/ course in an L: T: P: C (lecture periods: tutorial periods: practical periods: credits) structure based on the following general pattern.

One credit for one hour/ week/ semester for theory/ lecture (L) courses.

 One credit for two hours/ week/ semester for laboratory/ practical (P) courses or tutorials (T).

Courses like Environmental Sciences, Human Values and Professional Ethics, Gender Sensitization Laboratory and student activities like NCC/NSO and NSS are identified as mandatory courses. These courses will not carry any credits.

3.2.3 Subject Course Classification

All subjects/ courses offered for the under graduate programme in Pharmacy (B.Pharm. degree programmes) are broadly classified as follows. The university has followed almost all the guidelines issued by PCI/UGC.

S. No.	Broad Course Classification	Course Group/ Catego	Course Description
1		BS – Basic Sciences	Includes mathematics, physics and chemistry subjects.
2	Foundation Courses	PS - Pharmaceutical Sciences	Includes fundamental Pharmacy Subjects.
3	(FnC)	HS – Humanities and Social sciences	Includes subjects related to humanities; social sciences and management.
4	Core Courses (CoC)	PC - Professional Core	Includes core subjects related to the parent discipline.
5	Elective Courses (E{C)	OE - Open Electives	Includes elective subjects related to inter- disciplinary areas of Pharmacy or other than
6	N 2	Project Work	- Marriday
7	Core Courses	Seminar	B.Pharm. project or UG project or UG major project Seminar/ Colloquium based on core contents related to parent discipline.
10	Minor courses	-	- are dipinite.
11	Mandatory Courses (MC)		1 or 2 Credit courses (subset of HS) Mandatory courses (non-credit)

4.0 Course registration

- A 'faculty advisor or counselor' shall be assigned to a group of 15 students, who will advise student about the under graduate programme, its course structure and curriculum, choice/option for subjects/
 The academic section of the academic sect
- 4.2 The academic section of the college invites 'registration forms' from students before the beginning of the semester through 'on-line registration', ensuring 'date and time stamping'. The on-line registration requests for any 'current semester' shall be completed before the commencement of semester end examinations of the 'preceding semester'.
- A student can apply for on-line registration, only after obtaining the 'written approval' from faculty advisor/counselor, which should be submitted to the college academic section through the Head of and the student.
 If the student submit
- 4.5 If the student submits ambiguous choices or multiple options or erroneous entries during on-line registration for the subject(s):/ course(s) under a given/ specified course group/ category as listed in

- the course structure, only the first mentioned subject/ course in that category will be taken into consideration.
- Subject/ course options exercised through **on-line** registration are final and **cannot** be changed or inter-changed; further, alternate choices also will not be considered. However, if the subject/ course that has already been listed for registration by the Head of the Department in a semester could not alternate choice either for a new subject (subject to a subject), or for another existing the Department, with due notification and time-framed schedule, within the **first week** after the commencement of class-work for that semester.
- 4.7 Open Electives: Students have to choose one open elective (OE-I) in III year I semester, one (OE-III) in III year II semester, one (OE-III) in IV year I semester and one (OE-IV) in IV year II semester from the list of Open Electives.
- 5.0 Subjects/ courses to be offered
- 5.1 A typical section (or class) strength for each semester shall be 60.
- A subject/ course may be offered to the students, only if a minimum of 20 students (1/3 of the section strength) opt for it. The maximum strength of a section is limited to 80 (60 + 1/3 of the section
 If more entries for a section is limited to 80 (60 + 1/3 of the section
- 5.3 If more entries for registration of a subject come into picture, then the Head of Department shall decide, whether or not to offer such a subject/ course for two (or multiple) sections.
- 6.0 Attendance requirements:
- Attendance in all Courses (Lectures/Laboratories/Seminar/Project Work) is compulsory. The minimum required attendance in aggregate of all the subjects/ courses including the attendance of shall be considered, if the student appears for the mid-term examination of that subject shall not be permitted to appear for the Semester End Examinations (SEE), if his attendance is less and Professional Ethics, Gender Sensitization Laboratory, NCC/NSO, NSS and Industrial Training)
- 6.2 Condoning of shortage of attendance (between 70% and 80%) up to a maximum of 10% (considering the days of attendance in sports, games, NCC, NSS activities and Medical grounds) in each semester shall be granted by the College Academic Committee on genuine and valid grounds, based on the student's representation with supporting evidence.
- 6.3 A stipulated fee shall be payable towards condoning of shortage of attendance.
- 6.4 Shortage of attendance below 70% in aggregate shall in **no case be condoned**.
- 6.5 Students whose shortage of attendance is not condoned in any semester are not eligible to take their end examinations of that semester. They get detained and their registration for that semester shall stand cancelled. They will not be promoted to the next semester. They may by seeking re-admission into that semester as and when offered; in case if there are any open in later semesters, then alternate electives may be chosen from the same set of elective subjects offered under that category.

A student fulfilling the attendance requirement in the present semester shall not be eligible for 6.6 readmission into the same class.

7.0 Academic requirements

The following academic requirements have to be satisfied, in addition to the attendance requirements mentioned in item no. 6.

- 7.1 A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each subject/ course, if student secures not less than 40% marks (30 out of 75 marks) in the semester end examination, and a minimum of 50% of marks in the sum total of the CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together; in terms of letter grades, this implies securing 'D' grade or above in that subject/ course. For practicals/laboratory courses, a student should secure not less than 50% of marks in the sum total of the CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together; in terms of letter grades, this implies securing 'D' grade or above. 7.2
- A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to Practice School (or) Industrial Training if the student secures not less than 50% marks (i.e. 50 out of 100 allotted marks) in each of them. The student is deemed to have failed, if he (i) does not submit a report on Practice School (or) Industrial Training, (ii) does not make a presentation of the same before the evaluation committee as per schedule, or (iii) secures less than 50% marks in Practice School (or) Industrial Training evaluations. A student may reappear once for each of the above evaluations, when they are scheduled again;

if the student fails in such 'one reappearance' evaluation also, the student has to reappear for the same in the next subsequent semester; as and when it is scheduled.

7.3 Promotion Rules

S. No.	Promotion	Conditi
1	First year to second year	Conditions to be fulfilled
2	Second year to third year	Regular course of study of first year. (i) Regular course of study of second year. (ii) Must have passed all the subjects/ course up to I Year II Semester from all the relevant regular and supplementary examinations whether the student takes those examinations.
3	Third year to fourth year	or not. (i) Regular course of study of third year. (ii) Must have passed all the subjects/ courses up to II Year II Semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.

- 7.3 A student shall register for all subjects covering 209 credits as specified and listed in the course structure, fulfills all the attendance and academic requirements for 209 credits, 'earn all 209 credits' by securing SGPA ≥ 6.0 (in each semester) and CGPA (at the end of each successive semester) ≥ 6.0 to successfully complete the under graduate programme.
- 7.4 After securing the necessary 209 credits as specified for the successful completion of the entire under graduate programme, the student shall be eligible to get his CGPA and shall be indicated in the grade card of IV year II semester. However, the performance of student in the earlier individual semesters, with the corresponding SGPA and CGPA for which grade cards have already been

- If a student registers for some more 'extra subjects' other than those listed subjects totaling to 209 7.5 credits as specified in the course structure, the performances in those 'extra subjects' (although evaluated and graded using the same procedure as that of the required 209 credits) will not be considered while calculating the SGPA and CGPA. For such 'extra subjects' registered, % of marks and letter grade alone will be indicated in the grade card as a performance measure, subject to completion of the attendance and academic requirements as stated in regulations 6 and 7.1-
- A student eligible to appear in the end semester examination for any subject/ course, but absent 7.6 from it or failed (thereby failing to secure 'D' grade or above) may reappear for that subject/ course in the supplementary examination as and when conducted. In such cases, CIE assessed earlier for that subject/ course will be carried over, and added to the marks to be obtained in the SEE supplementary examination for evaluating performance in that subject.
- A student detained in a semester due to shortage of attendance, may be re-admitted when 7.7 the same semester is offered in the next academic year for fulfillment of academic requirements. The academic regulations under which student has been readmitted shall be applicable. However, no grade allotments or SGPA/ CGPA calculations will be done for the entire semester in which student has been detained.
- A student detained due to unfulfillment of promotion rules, shall be promoted to the next 7.8 academic year only after fulfilling the promotion rules. The academic regulations under which student has been readmitted shall be applicable to him.
- Note: (1) The SGPA will be computed and printed on the marks memo only if the candidate passes in all the subjects offered and gets minimum 'D' grade in all the subjects. (2)
 - CGPA is calculated only when the candidate passes in all the subjects offered in all the

Evaluation - Distribution and Weightage of marks 8.0

- The performance of a student in every theory subject/course will be evaluated for 100 marks, with 8.1 25 marks allotted for CIE (Continuous Internal Evaluation) and 75 marks for SEE (Semester End-
- In CIE, for theory subjects, during a semester, there shall be two mid-term examinations. Each Mid-8.2 Term examination consists of two parts i) Part - A for 10 marks, ii) Part - B for 10 marks with a total duration of 2 hours as follows:
 - 1. Mid Term Examination for 20 marks:
 - a. Part A: 10 Multiple Choice/ Objective Questions paper for 10 marks.
 - b. Part B: Descriptive paper for 10 marks. Long Answer Questions for 5 marks (answer 1 out of 2). Short Answer Questions for 5 marks (answer 2 out of 3, each carries 2.5 marks).

While the first mid-term examination shall be conducted on 50% of the syllabus, the second midterm examination shall be conducted on the remaining 50% of the syllabus.

Five (5) marks are allocated for assignments (as specified by the subject teacher concerned). The first assignment should be submitted before the conduct of the first mid-term examination, and the second assignment should be submitted before the conduct of the second mid-term examination. The average of the two assignments shall be taken as the final marks for assignment (for 5 marks).

The average of marks secured in the Two Mid-term examinations, along with the average marks secured in the two assignments will be considered as the final marks secured by a student in the

- 8.3 The details of the end semester question paper pattern are as follows,
 - The end semester examinations will be conducted for 75 marks consisting of two parts viz. i) Part- A for 25 marks, ii) Part - B for 50 marks.
 - Part-A is compulsory question which consists of fifteen sub-questions. The first ten subquestions are of Objective type/ Multiple Choice Questions, 2 from each unit and carry 1 mark each. The next five sub-questions are Short Answer Questions one from each unit and carry 3 marks each.
 - Part-B consists of five Long Answer Questions (numbered from 2 to 6) carrying 10 marks each. Each of these questions is from one unit and may contain sub-questions. For each question there will be an "either" "or" choice, which means that there will be two questions from each unit and the student should answer either of the two questions.
- For practical subjects there shall be a Continuous Internal Evaluation (CIE) during the semester for 8.3 15 marks and 35 marks for semester end examination. Out of the 15 marks for internal evaluation:
 - 1. A write-up on day-to-day experiment in the laboratory (in terms of aim, components/procedure, expected outcome) which shall be evaluated for 5 marks
 - 2. 5 marks for viva-voce in the course concerned.
 - 3. Internal practical examination conducted by the laboratory teacher concerned shall be

The Semester End Examination shall be conducted with an external examiner and the laboratory teacher. The external examiner shall be appointed from the cluster/other colleges which will be decided by the examination branch of the University.

In the Semester End Examination held for 3 hours, total 35 marks are divided and allocated as

- 1. 05 marks for Synopsis
- 2. 25 for experiment
- 3. 05 marks for viva-voce on concerned laboratory course

A student has to secure 25 marks (i.e. 50% out of the 50 marks) allotted for CIE and SEE taken together.

- 8.4 There shall be an Industrial Training in IV year I semester. For the Industrial Training, the student shall be required to work for at least 150 hours spread over four weeks in a Pharmaceutical Industry/Hospital. It includes Production unit, Quality Control department, Quality Assurance department, Analytical laboratory, Chemical manufacturing unit, Pharmaceutical R&D, Hospital (Clinical Pharmacy), Clinical Research Organization, Community Pharmacy, etc. After the IV year I semester and before the commencement of IV year II semester, the student shall submit satisfactory report of the work and certificate duly signed by the authority of training organization to the head of the institute.
- 8.5 Practice School: In the IV year I semester, every candidate shall undergo a practice school for a period of 150 hours evenly distributed throughout the semester. The student shall opt any one of the domains for practice school declared by the departmental committee from time to time. At the end of the practice school, every student shall submit a printed report (in triplicate) on the practice school he/she attended (not more than 25 pages). The report shall be submitted to the departmental committee consisting of Head of the Institution, Head of the Department and a senior faculty member. The practice school report shall be evaluated for 100 marks and grade point shall

All the students shall undertake a UG major project under the supervision of a teacher and submit a report. The area of the project shall directly relate any one of the elective subject opted by the student in semester VIII. The project shall be carried out in group not exceeding 5 in number. The project report shall be submitted in triplicate (typed & bound copy not less than 25 pages).

The internal and external examiner appointed by the University shall evaluate the project at the time of the Practical examinations of other semester(s). Students shall be evaluated in groups for four hours (i.e., about half an hour for a group of five students). The projects shall be evaluated as per the criteria given below.

Evaluation of Dissertation Book (Internal Evaluation):

Objective(s) of the work done
Methodology adopted
Results and Discussions
Conclusions and Outcomes
Total
- 15 Marks
- 20 Marks
- 20 Marks
- 75 Marks

Evaluation of Presentation (External Evaluation):

Presentation of work
Communication skills
Viva-Voce
- 25 Marks
- 20 Marks
- 30 Marks
Total
- 75 Marks

The **75 marks** assigned to the **dissertation book** shall be **same for all the students** in a group. However, the 75 marks assigned for presentation shall be awarded based on the performance of individual students in the given criteria. A student has to secure 75 marks (i.e. 50% of the allotted 150 marks) to be declared successful in the project.

- 8.7 For mandatory courses Environmental Science, Human Values and Professional Ethics, Gender Sensitization Lab and Industrial Training a student has to secure 50 marks out of 100 marks (i.e.
 8.8 For mandatory courses NOC(NOC)
- 8.8 For mandatory courses NCC/ NSO and NSS, a 'satisfactory participation certificate' shall be issued to the student from the authorities concerned, only after securing ≥ 80% attendance in such a course.
- 8.9 No marks or letter grade shall be allotted for all mandatory/non-credit courses.

9.0 Grading procedure

- 9.1 Marks will be awarded to indicate the performance of student in each theory subject, laboratory / Evaluation plus Semester End Examination, both taken together) as specified in item 8 above, a 9.2 As a measure of the performance of student in each theory subject, laboratory / Evaluation plus Semester End Examination, both taken together) as specified in item 8 above, a
- 9.2 As a measure of the performance of student, a 10-point absolute grading system using the following letter grades (as per UGC/ PCI guidelines) and corresponding percentage of marks shall be followed:

% of Marks Secured in a Subject/Course (Class Intervals)	Letter Grade (UGC Guidelines)	Grade Points
Greater than or equal to 90%	O (Outstandia)	
80 and less than 90%	O (Outstanding)	10
70 and less than 80%	A (Excellent)	9
60 and less than 70%	B (Good)	0
oo and less than 70%	C (Fair)	. 0

0 / 1	
D (Average)	6
F (FAIL)	
\(\frac{1}{2}\)	0
	D (Average) F (FAIL)

- 9.3 A student obtaining 'F' grade in any subject shall be deemed to have 'failed' and is required to reappear as a 'supplementary student' in the semester end examination, as and when offered. In such cases, internal marks in those subjects will remain the same as those obtained earlier.
- A student who has not appeared for examination in any subject, 'Ab' grade will be allocated in that 9.4 subject, and student shall be considered 'failed'. Student will be required to reappear as a supplementary student' in the semester end examination, as and when offered. 9.5
- A letter grade does not indicate any specific percentage of marks secured by the student, but it indicates only the range of percentage of marks. 9.6
- A student earns grade point (GP) in each subject/ course, on the basis of the letter grade secured in that subject/ course. The corresponding 'credit points' (CP) are computed by multiplying the grade point with credits for that particular subject/ course.

Credit points (CP) = grade point (GP) x credits For a course

- The student passes the subject/ course only when $GP \ge 6$ ('D' grade or above) 9.7 9.8
- The semester grade point average (SGPA) is calculated by dividing the sum of credit points (Σ CP) secured from all subjects/ courses registered in a semester, by the total number of credits registered during that semester. SGPA is rounded off to two decimal places. SGPA is thus

SGPA = {
$$\sum_{i=1}^{N} C_i G_i$$
 } / { $\sum_{i=1}^{N} C_i$ } For each semester,

where 'i' is the subject indicator index (takes into account all subjects in a semester), 'N' is the no. of subjects 'registered' for the semester (as specifically required and listed under the course structure of the parent department), C_i is the no. of credits allotted to the i^{th} subject, and G_i represents the grade points (GP) corresponding to the letter grade awarded for that ith subject.

9.9 The cumulative grade point average (CGPA) is a measure of the overall cumulative performance of a student in all semesters considered for registration. The CGPA is the ratio of the total credit points secured by a student in all registered courses in all semesters, and the total number of credits registered in all the semesters. CGPA is rounded off to two decimal places. CGPA is thus computed from the I year II semester onwards at the end of each semester as per the formula

CGPA =
$$\{\sum_{j=1}^{M} C_j G_j\}/\{\sum_{j=1}^{M} C_j\}$$
 ... for all S semesters registered

(i.e., up to and inclusive of S semesters, $S \ge 2$).

where 'M' is the total no. of subjects the student has 'registered' i.e., from the 1st semester onwards up to and inclusive of the 8th semester, 'j' is the subject indicator index (takes into account all subjects from 1 to 8 semesters), C_j is the no. of credits allotted to the j^{th} subject, and G_j represents the grade points (GP) corresponding to the letter grade awarded for that j^{th} subject. After registration and completion of first year first semester, the SGPA of that semester itself may be taken as the lliustration of calculation of SGPA

Course/Subject	Credits	Letter Grade	Grade Points	
Course 1	1		Oracle Follits	Credit Points
	7	A	9	$4 \times 9 = 36$
Course 2	4	0	10	
			10	$4 \times 10 = 40$

	= 21			Total Credit Points
	Total Credits		/	$3 \times 7 = 21$
Course 6	3	C	7	
	3	A	10	3 x 10 = 30
Course 5	2	-	8	$3 \times 8 = 24$
Course 4	3	R		$4 \times 7 = 28$
Course 3	4	C	7	1 7 00

SGPA = 179/21 = 8.52

Illustration of calculation of CGPA

Course/Subject	Credits	Letter Grade	Grade Points	Cuadit D
	×	l Year I Semester		Credit Points
Course 1	4	А	9	
Course 2	4	A		$4 \times 9 = 36$
Course 3	4	В	9	$4 \times 9 = 36$
Course 4	3		8	$4 \times 8 = 32$
Course 5	3	0	10	3 x 10 = 30
Course 6	3	В	8	3 x 8 = 24
0001300		D	6	3 x 6 = 18
Ca		l Year II Semester		1 7 10
Course 7	4	В	8	4 x 8 = 32
Course 8	4	0	10	
Course 9	4	А	9	4 x 10 = 40
Course 10	3	D	6	$4 \times 9 = 36$
Course 11	3	С	7	$3 \times 6 = 18$
Course 12	3	A		$3 \times 7 = 21$
	-	/1	9	$3 \times 9 = 27$
	Total Credits = 42			Total Credit Points = 350

CGPA = 350/42 = 8.33

- 9.10 For merit ranking or comparison purposes or any other listing, only the 'rounded off' values of the 9.11
- For calculations listed in regulations 9.6 to 9.9, performance in failed subjects/ courses (securing 'F' grade) will also be taken into account, and the credits of such subjects/ courses will also be included in the multiplications and summations. After passing the failed subject(s) newly secured letter grades will be taken into account for calculation of SGPA and CGPA. However, mandatory courses will not be taken into consideration.

10.0 Passing standards

- A student shall be declared successful or 'passed' in a semester, if student secures a GP ≥ 6 ('D' 10.1 grade or above) in every subject/course in that semester (i.e. when student gets an SGPA ≥ 6.00 at the end of that particular semester); and a student shall be declared successful or 'passed' in the entire under graduate programme, only when gets a CGPA \geq 6.00 for the award of the degree
- After the completion of each semester, a grade card or grade sheet (or transcript) shall be issued 10.2 to all the registered students of that semester, indicating the letter grades and credits earned. It will

show the details of the courses registered (course code, title, no. of credits, and grade earned etc.), credits earned, SGPA, and CGPA.

11.0 Declaration of results

- 11.1 Computation of SGPA and CGPA are done using the procedure listed in 9.6 to 9.9.
- 11.2 For final percentage of marks equivalent to the computed final CGPA, the following formula may

% of Marks = (final CGPA - 0.5) x 10

12.0 Award of degree

- A student who registers for all the specified subjects/ courses as listed in the course structure and secures the required number of 209 credits (with CGPA ≥ 6.0), within 8 academic years from the date of commencement of the first academic year, shall be declared to have 'qualified' for the award of the B.Pharm. degree.
- 12.2 A student who qualifies for the award of the degree as listed in item 12.1 shall be placed in the following classes.
- 12.3 Students with final CGPA (at the end of the under graduate programme) \geq 7.50, and fulfilling the following conditions -
 - (i) Should have passed all the subjects/courses in 'first appearance' within the first 4 academic years (or 8 sequential semesters) from the date of commencement of first year first semester.
 - (ii) Should not have been detained or prevented from writing the end semester examinations in any semester due to shortage of attendance or any other reason, shall be placed in 'first class with distinction'.
- 12.4 Students with final CGPA (at the end of the under graduate programme) ≥ 6.00 but < 7.50, shall be placed in 'first class'.
- 12.5 Students with final CGPA (at the end of the under graduate programme) ≥ 5.00 but < 6.00, shall be placed in 'second class'.
- 12.6 A student with final CGPA (at the end of the under graduate programme) < 5.00 will not be eligible for the award of the degree.
- 12.7 Students fulfilling the conditions listed under item 12.3 alone will be eligible for award of 'university rank' and 'gold medal'.

13.0 Withholding of results

13.1 If the student has not paid the fees to the university/ college at any stage, or has dues pending due to any reason whatsoever, or if any case of indiscipline is pending, the result of the student may be withheld, and student will not be allowed to go into the next higher semester. The award or issue of the degree may also be withheld in such cases.

14.0 Transitory regulations

A. For students detained due to shortage of attendance:

 A Student who has been detained in I year of R15/R16/R17 Regulations due to lack of attendance, shall be permitted to join I year I Semester of R22 Regulations and he is required to complete the

- study of B. Pharmacy programme within the stipulated period of eight academic years from the date of first admission in I Year.
- A student who has been detained in any semester of II, III and IV years of R15/R16/R17 regulations for want of attendance, shall be permitted to join the corresponding semester of R22 regulations and is required to complete the study of B. Pharmacy within the stipulated period of eight academic years from the date of first admission in I Year. The R22 Academic Regulations under which a student has been readmitted shall be applicable to that student from that semester.

See rule (C) for further Transitory Regulations.

For students detained due to shortage of credits: В.

A student of R15/R16/R17 Regulations who has been detained due to lack of credits, shall be promoted to the next semester of R22 Regulations only after acquiring the required credits as per the corresponding regulations of his/her first admission. The student is required to complete the study of B. Pharmacy within the stipulated period of eight academic years from the year of first admission. The R22 Academic Regulations are applicable to a student from the year of readmission

See rule (C) for further Transitory Regulations.

- For readmitted students in R22 Regulations: C.
- A student who has failed in any subject under any regulation has to pass those subjects in the
- The maximum credits that a student acquires for the award of degree, shall be the sum of the total number of credits secured in all the regulations of his/her study including R22 Regulations.
- If a student readmitted to R22 Regulations, has any subject with 80% of syllabus common with his/her previous regulations, that particular subject in R22 Regulations will be substituted by another subject to be suggested by the University.
- Note: If a student readmitted to R22 Regulations, has not studied any subjects/topics in his/her earlier regulations of study which is prerequisite for further subjects in R22 Regulations, the College Principals concerned shall conduct remedial classes to cover those subjects/ topics for the benefit of the students.

15.0 Student transfers

- There shall be no transfers from one college to another within the constituent colleges and units of 15.1 Jawaharlal Nehru Technological University Hyderabad.
- The students seeking transfer to colleges affiliated to JNTUH from various other 15.3 Universities/institutions have to pass the failed subjects which are equivalent to the subjects of JNTUH, and also pass the subjects of JNTUH which the students have not studied at the earlier institution. Further, though the students have passed some of the subjects at the earlier institutions, if the same subjects are prescribed in different semesters of JNTUH, the students have to study those subjects in JNTUH in spite of the fact that those subjects are repeated.
- The transferred students from other Universities/institutions to JNTUH affiliated colleges who are 15.4 on rolls to be provide one chance to write the CBT (internal marks) in the failed subjects and/or subjects not studied as per the clearance letter issued by the university.
- 15.5 The autonomous affiliated colleges have to provide one chance to write the internal examinations in the failed subjects and/or subjects not studied, to the students transferred from other universities/institutions to JNTUH autonomous affiliated colleges who are on rolls, as per the clearance (equivalence) letter issued by the University.

- 16.0 Scope
- 16.1 The academic regulations should be read as a whole, for the purpose of any interpretation.
- 16.2 In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the ViceChancellor is final.
- 16.3 The university may change or amend the academic regulations, course structure or syllabi at any time, and the changes or amendments made shall be applicable to all students with effect from the date notified by the university authorities.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD (Established by Act No. 30 of 2008)

Kukatpally, Hyderabad, Telangana (India).

Academic Regulations for B.Pharm. (Lateral Entry Scheme) w.e.f the AY 2023-24

1. Eligibility for award of B. Pharm. Degree (LES)

The LES students after securing admission shall pursue a course of study for not less than three academic years and not more than six academic years.

- The student shall register for 153 credits and secure 153 credits with CGPA ≥ 6.00 from II year to 2. IV year B.Pharm. programme (LES) for the award of B.Pharm. degree.
- The students, who fail to fulfil the requirement for the award of the degree in six academic years 3. from the year of admission, shall forfeit their seat in B.Pharm.
- 4. The attendance requirements of B. Pharm. (Regular) shall be applicable to B. Pharm. (LES).

5. Promotion rule

S. No	Promotion	Conditions to be fulfilled	
1	Second year to third year		
		Regular course of study of second year.	
2	Third Year to fourth year		
		(i) Regular course of study of third year.	
		(ii) Must have passed all the subjects/ course up to II Year II Semester from all the relevant regular and supplementary examinations whether the student takes those examinations or not.	

All the other regulations as applicable to B. Pharm. 4-year degree course (Regular) will hold 6. good for B. Pharm. (Lateral Entry Scheme).

MALPRACTICES RULES DISCIPLINARY ACTION FOR / IMPROPER CONDUCT IN EXAMINATIONS

	Nature of Malpractice/Improper conduct	Punish Punish	
	If the student:	Punishment	
1. (a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which student is appearing but has not made use of (material shall include any marks on the body of the student which can be used as an aid in the subject of the examination)	II.	

(t	through cell phones with any student or persons in or outside the exam hall in ha	coulsion from the examination hall and cancellation the performance in that subject only of all the udents involved. In case of an outsider, he will be inded over to the police and a case is registered ainst him.
2.	paper, book, programmable calculators, paim computers or any other form of material relevant to the subject of the examination (theory or practical) in which the student is appearing.	pulsion from the examination hall and cancellation the performance in that subject and all other ojects the student has already appeared including actical examinations and UG major project and all not be permitted to appear for the remaining aminations of the subjects of that semester/year.
3.	Impersonates any other student in connection with the examination. The from and student can (inc apple example) example (inc apple) example (inc	estudent who has impersonated shall be expelled in examination hall. The student is also debarred forfeits the seat. The performance of the original dent who has been impersonated, shall be celled in all the subjects of the examination uding practicals and UG major project) already eared and shall not be allowed to appear for minations of the remaining subjects of that ester/year. The student is also debarred for two secutive semesters from class work and all earsity examinations. The continuation of the see by the student is subject to the academic lations in connection with forfeiture of seat. If imposter is an outsider, he will be handed over the police and a case is registered against him.
4.	Smuggles in the answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination. Exput of persubject of persubject in the answer book or arranges to send out the question paper during the examination or after the examination.	Ision from the examination hall and cancellation erformance in that subject and all the other cts the student has already appeared including cal examinations and UG major project and not be permitted for the remaining inations of the subjects of that semester/year. Student is also debarred for two consecutive sters from class work and all university inations. The continuation of the course by the not is subject to the academic regulations in ction with forfeiture of seat.
5.	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	llation of the performance in that subject.
6.	Refuses to obey the orders of the chief superintendent/assistant – superintendent / any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in charge or any person on duty in or outside the examination hall of any injury to	e of students of the college, they shall be ad from examination halls and cancellation of erformance in that subject and all other is the student(s) has (have) already appeared hall not be permitted to appear for the ng examinations of the subjects of that er/year. The students also are debarred and heir seats. In case of outsiders, they will be

	by words, either spoken or written or signs or by visible representation, assauthe officer-in-charge, or any person on din or outside the examination hall or any his relations, or indulges in any other act misconduct or mischief which result damage to or destruction of property in texamination hall or any part of the collecampus or engages in any other act which the opinion of the officer on duty amounts use of unfair means or misconduct or hat the tendency to disrupt the orderly conduct of the examination.	registered against them. registered against them.
7.	Leaves the exam hall taking away answescript or intentionally tears of the script of any part thereof inside or outside the examination hall.	Slidli not he normitted t
8.	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and account in
9.	If student of the college, who is not a student for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	Student of the colleges expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and UG major project and shall not be
	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and UG major project and shall not be permitted for the remaining examinations of the subjects of that semester/year.
		Cancellation of the performance in that subject and all other subjects the student has appeared including practical examinations and UG major project of that semester/year examinations.
2. 1	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall	

be reported to the university for further action to award suitable punishment.

Malpractices identified by squad or special invigilators

- Punishments to the students as per the above guidelines.
- Punishment for institutions : (if the squad reports that the college is also involved in encouraging malpractices)
 - a. A show cause notice shall be issued to the college.
 - b. Impose a suitable fine on the college.
 - c. Shifting the examination centre from the college to another college for a specific period of not less than one year.

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by Act No. 30 of 2008)

Kukatpally, Hyderabad, Telangana (India).

ACADEMIC REGULATIONS OF B.PHARM. (REGULAR/FULL TIME) STUDENTS WITH EFFECT FROM THE ACADEMIC YEAR 2017-18 (R-17)

1.0 <u>Under-Graduate Degree Programme in Pharmacy</u>

1.1 JNTUH offers a 4-year (8 semesters) Bachelor of Pharmacy (B.Pharm.) degree programme, under Choice Based Credit System (CBCS) at its affiliated colleges with effect from the academic year 2017-18.

2.0 Eligibility for admission

- 2.1 Admission to the under graduate programme shall be made either on the basis of the merit rank obtained by the qualified candidate in entrance test conducted by the Telangana State Government (EAMCET) or the University or on the basis of any other order of merit approved by the University, subject to reservations as prescribed by the government from time to time.
- 2.2 The medium of instructions for the entire under graduate programme in Pharmacy will be **English** only.

3.0 B.Pharm. Programme structure

3.1 A student after securing admission shall pursue the under graduate programme in B.Pharm. in a minimum period of **four** academic years (8 semesters), and a maximum period of **eight** academic years (16 semesters) starting from the date of commencement of first year first semester, failing which student shall forfeit seat in B.Pharm course.

A student shall register for all subjects for covering 196 credits and each student shall secure 196 credits (with CGPA \geq 5) required for the completion of the under graduate programme and award of the B.Pharm. degree.

3.2 UGC/ AICTE specified definitions/ descriptions are adopted appropriately for various terms and abbreviations used in these academic regulations/ norms, which are listed below.

3.2.1 Semester scheme

Each under graduate programme is of 4 academic years (8 semesters) with the academic year being divided into two semesters of 22 weeks (≥ 90 instructional days) each, each semester shall have - 'Continuous Internal Evaluation (CIE)' and 'Semester End Examination (SEE)'. Choice Based Credit System (CBCS) and Credit Based Semester

System (CBSS) as indicated by UGC and curriculum / course structure as suggested by AICTE are followed.

3.2.2 Credit courses

All subjects/ courses are to be registered by the student in a semester to earn credits which shall be assigned to each subject/ course in an L: T: P: C (lecture periods: tutorial periods: practical periods: credits) structure based on the following general pattern.

- One credit for one hour/ week/ semester for theory/ lecture (L) courses.
- One credit for two hours/ week/ semester for laboratory/ practical (P) courses or tutorials (T).

Courses like environmental science, human values and professional ethics, gender sensitization lab and other student activities like NCC/NSO and NSS are identified as mandatory courses. These courses will not carry any credits.

3.2.3 Subject Course Classification

All subjects/ courses offered for the under graduate programme in Pharmacy (B.Pharm. degree programmes) are broadly classified as follows. The university has followed almost all the guidelines issued by AICTE/UGC.

S. No.	Broad Course Classification	Course Group/ Category	Course Description
1		BS – Basic Sciences	Includes mathematics, physics and chemistry subjects.
2	Foundation Courses	PS - Pharmaceutical Sciences	Includes fundamental Pharmacy Subjects.
3	(FnC)	HS – Humanities and Social sciences	Includes subjects related to humanities, social sciences and management.
4	Core Courses (CoC)	PC – Professional Core	Includes core subjects related to the parent discipline.
5	Elective Courses (E&C) OE – Open Electives		Includes elective subjects related to inter- disciplinary areas of Pharmacy or other than Pharmacy
6	0 0	Project Work	B.Pharm. project or UG project or UG major project
7	Core Courses	Seminar .	Seminar/ Colloquium based on core contents related to parent discipline.
10	Minor courses	-	1 or 2 Credit courses (subset of HS)
11	Mandatory Courses (MC)	j ₌	Mandatory courses (non-credit)

4.0 Course registration

- 4.1 A 'faculty advisor or counselor' shall be assigned to a group of 15 students, who will advise student about the under graduate programme, its course structure and curriculum, choice/option for subjects/ courses, based on their competence, progress, pre-requisites and interest.
- 4.2 The academic section of the college invites 'registration forms' from students before the beginning of the semester through 'on-line registration', ensuring 'date and time stamping'. The on-line registration requests for any 'current semester' shall be completed before the commencement of semester end examinations of the 'preceding semester'.
- 4.3 A student can apply for **on-line** registration, **only after** obtaining the 'written approval' from faculty advisor/counselor, which should be submitted to the college academic section through the Head of the Department. A copy of it shall be retained with Head of the Department, faculty advisor/ counselor and the student.
- **4.4** If the student submits ambiguous choices or multiple options or erroneous entries during **on-line** registration for the subject(s) / course(s) under a given/ specified course group/ category as listed in the course structure, only the first mentioned subject/ course in that category will be taken into consideration.
- 4.5 Subject/ course options exercised through on-line registration are final and cannot be changed or inter-changed; further, alternate choices also will not be considered. However, if the subject/ course that has already been listed for registration by the Head of the Department in a semester could not be offered due to any unforeseen or unexpected reasons, then the student shall be allowed to have alternate choice either for a new subject (subject to offering of such a subject), or for another existing subject (subject to availability of seats). Such alternate arrangements will be made by the Head of the Department, with due notification and time-framed schedule, within the first week after the commencement of class-work for that semester.
- **4.6** Open Electives: Students have to choose one open elective (OE-I) in II year II semester, one (OE-II) in III year I semester, and one (OE-III) in III year II semester and one (OE-IV) in IV year II semester from the list of Open Electives.

5.0 Subjects/ courses to be offered

- 5.1 A typical section (or class) strength for each semester shall be 60.
- A subject/ course may be offered to the students, only if a minimum of 20 students (1/3 of the section strength) opt for it. The maximum strength of a section is limited to 80 (60 + 1/3) of the section strength).
- 5.3 If more entries for registration of a subject come into picture, then the Head of Department concerned shall decide, whether or not to offer such a subject/ course for **two (or multiple)** sections.

6.0 Attendance requirements:

- 6.1 Attendance in all classes (Lectures/Laboratories/Project Work) is compulsory. The minimum required attendance in aggregate of all the subjects/ courses including the attendance of mid-term examination / Laboratory etc. is 75%. Two periods of attendance for each theory subject shall be considered, if the student appears for the mid-term examination of that subject. A student shall not be permitted to appear for the Semester End Examinations (SEE), if his attendance is less than 75% (excluding attendance in mandatory courses environmental science, human values and professional ethics, gender sensitization Lab, NCC/NSO, NSS and Industrial Training) for that semester.
- 6.2 Condoning of shortage of attendance (between 65% and 75%) up to a maximum of 10% (considering the days of attendance in sports, games, NCC, NSS activities and Medical grounds) in each semester shall be granted by the College Academic Committee on genuine and valid grounds, based on the student's representation with supporting evidence.
- 6.3 A stipulated fee shall be payable towards condoning of shortage of attendance.
- 6.4 Shortage of attendance below 65% in aggregate shall in **no case be condoned**.
- 6.5 Students whose shortage of attendance is not condoned in any semester are not eligible to take their end examinations of that semester. They get detained and their registration for that semester shall stand cancelled. They will not be promoted to the next semester. They may seek re-registration for all those subjects registered in that semester in which student was detained, by seeking re-admission into that semester as and when offered; in case if there are any open electives, the same may also be re-registered if offered. However, if those electives are not offered in later semesters, then alternate electives may be chosen from the same set of elective subjects offered under that category.
- 6.6 A student fulfilling the attendance requirement in the present semester shall not be eligible for readmission into the same class.

7.0 Academic requirements

The following academic requirements have to be satisfied, in addition to the attendance requirements mentioned in item no.6.

7.1 A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each subject/ course, if student secures not less than 35% marks (26 out of 75 marks) in the semester end examination, and a minimum of 40% of marks in the sum total of the CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together; in terms of letter grades, this implies securing 'C' grade or above in that subject/ course.

7.2 Promotion Rules

S. No. Promotion Conditions		Conditions to be fulfilled
1.	First year first semester to first	Regular course of study of first year
	190 M 190 M	first semester.

2	First year second semester to second year first semester	(i) Regular course of study of first year second semester.
	y y	
1		(ii) Must have secured at least 24 credits
		out of 48 credits i.e., 50% of credits up
		to first year second semester from all
		the relevant regular and supplementary
		examinations, whether the student takes
	0	those examinations or not.
3.	Second year first semester to	Regular course of study of second year
	second year second semester	first semester.
4	Second year second semester	(i) Regular course of study of second
	to third year first semester	year second semester.
		(ii) Must have secured at least 58 credits
		out of 96 credits i.e., 60% of credits up
		to second year second semester from all
		the relevant regular and supplementary
		examinations, whether the student takes
		those examinations or not.
5	Third year first semester to	Regular course of study of third year
	third year second semester	first semester.
6.	Third year second semester to	(i) Regular course of study of third year
	fourth year first semester	second semester.
		(ii) Must have secured at least 86 credits
		out of 144 credits i.e., 60% of credits up
	5	
		to third year second semester from all
		the relevant regular and supplementary
		examinations, whether the student takes
7	Fourth year first	those examinations or not.
,	Fourth year first semester to	Regular course of study of fourth year
	fourth year second semester	first semester.

- 7.3 A student shall register for all subjects covering 196 credits as specified and listed in the course structure, fulfills all the attendance and academic requirements for 196 credits, 'earn all 196 credits' by securing SGPA ≥ 5.0 (in each semester) and CGPA (at the end of each successive semester) ≥ 5.0 to successfully complete the under graduate programme.
- 7.4 After securing the necessary 196 credits as specified for the successful completion of the entire under graduate programme, the student can avail exemption of two subjects up to 6 credits, that is, two open elective subjects for optional drop out from these 196 credits earned; resulting in 190 credits for under graduate programme performance evaluation, i.e., the performance of the student in these 190 credits shall alone be taken into account for the calculation of 'the final CGPA (at the end of under graduate programme, which takes the SGPA of the IV year II semester into account), and shall be indicated in the

- grade card of IV year II semester. However, the performance of student in the earlier individual semesters, with the corresponding SGPA and CGPA for which grade cards have already been given will not be altered.
- 7.5 If a student registers for some more 'extra subjects' other than those listed subjects totaling to 196 credits as specified in the course structure, the performances in those 'extra subjects' (although evaluated and graded using the same procedure as that of the required 196 credits) will not be taken into account while calculating the SGPA and CGPA. For such 'extra subjects' registered, % of marks and letter grade alone will be indicated in the grade card as a performance measure, subject to completion of the attendance and academic requirements as stated in regulations 6 and 7.1 7.4 above.
- A student eligible to appear in the end semester examination for any subject/ course, but absent from it or failed (thereby failing to secure 'C' grade or above) may reappear for that subject/ course in the supplementary examination as and when conducted. In such cases, CIE assessed earlier for that subject/ course will be carried over, and added to the marks to be obtained in the SEE supplementary examination for evaluating performance in that subject.
- 7.7 A student detained in a semester due to shortage of attendance, may be re-admitted when the same semester is offered in the next academic year for fulfillment of academic requirements. The academic regulations under which student has been readmitted shall be applicable. However, no grade allotments or SGPA/ CGPA calculations will be done for the entire semester in which student has been detained.
- 7.8 A student detained due to lack of credits, shall be promoted to the next academic year only after acquiring the required academic credits. The academic regulations under which student has been readmitted shall be applicable to him.
- Note: (1) The SGPA will be computed and printed on the marks memo only if the candidate passes in all the subjects offered and gets minimum B grade in all the subjects.
 - (2) CGPA is calculated only when the candidate passes in all the subjects offered in all the semesters.
- 8.0 Evaluation Distribution and Weightage of marks
- 8.1 The performance of a student in every subject/course (including practicals and UG major project) will be evaluated for 100 marks each, with 25 marks allotted for CIE (Continuous Internal Evaluation) and 75 marks for SEE (Semester End-Examination).
- 8.2 For theory subjects, during a semester, there shall be two mid-term examinations. Each mid-term examination consists of one objective paper, one descriptive paper and one assignment. The objective paper and the essay paper shall be for 10 marks each with a total duration of 1 hour 20 minutes (20 minutes for objective and 60 minutes for essay paper). The objective paper is set with 20 bits of multiple choice, fill-in the blanks and matching type of questions for a total of 10 marks. The essay paper shall contain 4 full

questions out of which, the student has to answer 2 questions, each carrying 5 marks. While the first mid-term examination shall be conducted on 50% of the syllabus, the second mid-term examination shall be conducted on the remaining 50% of the syllabus. Five marks are allocated for assignments (as specified by the subject teacher concerned). The first assignment should be submitted before the conduct of the first mid-examination, and the second assignment should be submitted before the conduct of the second mid-examination. The total marks secured by the student in each mid-term examination are evaluated for 25 marks, and the average of the two mid-term examinations shall be taken as the final marks secured by each student in internals/sessionals. If any student is absent from any subject of a mid-term examination, an on-line test will be conducted for him by the university. The details of the question paper pattern are as follows,

- The end semester examinations will be conducted for 75 marks consisting of two parts viz. i) **Part- A** for 25 marks, ii) **Part- B** for 50 marks.
- Part-A is compulsory question which consists of ten sub-questions. The first five sub-questions are from each unit and carry 2 marks each. The next five subquestions are one from each unit and carry 3 marks each.
- Part-B consists of five questions (numbered from 2 to 6) carrying 10 marks each.
 Each of these questions is from one unit and may contain sub-questions. For each
 question there will be an "either" "or" choice, which means that there will be two
 questions from each unit and the student should answer either of the two
 questions.
- 8.3 For practical subjects there shall be a continuous internal evaluation during the semester for 25 sessional marks and 75 semester end examination marks. Out of the 25 marks for internal evaluation, day-to-day work in the laboratory shall be evaluated for 15 marks and internal practical examination shall be evaluated for 10 marks conducted by the laboratory teacher concerned. The semester end examination shall be conducted with an external examiner and the laboratory teacher. The external examiner shall be appointed from the clusters of colleges which are decided by the examination branch of the university.
- 8.4 There shall be an Industrial Training in IV year I semester. For the Industrial Training, the student shall be required to work for at least 150 hours spread over four weeks in a Pharmaceutical Industry/Hospital. It includes Production unit, Quality Control department, Quality Assurance department, Analytical laboratory, Chemical manufacturing unit, Pharmaceutical R&D, Hospital (Clinical Pharmacy), Clinical Research Organization, Community Pharmacy, etc. After the IV year I semester and before the commencement of IV year II semester, the student shall submit satisfactory report of the work and certificate duly signed by the authority of training organization to the head of the institute.
- **8.5 Practice School:** In the IV year I semester, every candidate shall undergo a practice school for a period of 150 hours evenly distributed throughout the semester. The student

shall opt any one of the domains for practice school declared by the departmental committee from time to time. At the end of the practice school, every student shall submit a printed report (in triplicate) on the practice school he/she attended (not more than 25 pages). The report shall be submitted to the departmental committee consisting of Head of the Institution, Head of the Department and a senior faculty member. The practice school report shall be evaluated for 100 marks and grade point shall be awarded.

- 8.6 Out of a total of 100 marks for the UG major project, 25 marks shall be allotted for internal evaluation and 75 marks for the end semester examination (viva voce). The end semester examination of the project work shall be conducted by a committee consisting of external examiner, Head of the Department, supervisor of the project and a senior faculty member. The evaluation of UG major project shall be made at the end of IV year II semester. The internal evaluation shall be on the basis of two seminars given by each student on the topic of UG major project.
- 8.7 The laboratory marks and the sessional marks awarded by the college are subject to scrutiny and scaling by the university wherever necessary. In such cases, the sessional and laboratory marks awarded by the college will be referred to a committee. The committee will arrive at a scaling factor and the marks will be scaled accordingly. The recommendations of the committee are final and binding. The laboratory records and internal test papers shall be preserved in the respective institutions as per the university rules and produced before the committees of the university as and when asked for.
- **8.8** For mandatory courses environmental science, human values and professional ethics, gender sensitization lab and Industrial Training a student has to secure 40 marks out of 100 marks (i.e. 40% of the marks allotted) in the continuous internal evaluation for passing the subject/course.
- 8.9 For mandatory courses NCC/ NSO and NSS, a 'satisfactory participation certificate' shall be issued to the student from the authorities concerned, only after securing ≥ 65% attendance in such a course.
- 8.10 No marks or letter grade shall be allotted for all mandatory/non-credit courses.
- 9.0 Grading procedure
- 9.1 Marks will be awarded to indicate the performance of student in each theory subject, laboratory / practicals and UG major project. Based on the percentage of marks obtained (Continuous Internal Evaluation plus Semester End Examination, both taken together) as specified in item 8 above, a corresponding letter grade shall be given.
- 9.2 As a measure of the performance of student, a 10-point absolute grading system using the following letter grades (as per UGC/AICTE guidelines) and corresponding percentage of marks shall be followed:

% of Marks Secured in a Subject/Course (Class Intervals)	Letter Grade (UGC Guidelines)	Grade Points
Greater than or equal to 90%	O (Outstanding)	10

80 and less than 90%	A ⁺ (Excellent)	9
70 and less than 80%	A (Very Good)	8
60 and less than 70%	B ⁺ (Good)	7
50 and less than 60%	B (Average)	6
40 and less than 50%	C (Pass)	5
Below 40%	F (FAIL)	0
Absent	Ab	0

- 9.3 A student obtaining 'F' grade in any subject shall be deemed to have 'failed' and is required to reappear as a 'supplementary student' in the semester end examination, as and when offered. In such cases, internal marks in those subjects will remain the same as those obtained earlier.
- 9.4 A student who has not appeared for examination in any subject, 'Ab' grade will be allocated in that subject, and student shall be considered 'failed'. Student will be required to reappear as a 'supplementary student' in the semester end examination, as and when offered.
- 9.5 A letter grade does not indicate any specific percentage of marks secured by the student, but it indicates only the range of percentage of marks.
- 9.6 A student earns grade point (GP) in each subject/ course, on the basis of the letter grade secured in that subject/ course. The corresponding 'credit points' (CP) are computed by multiplying the grade point with credits for that particular subject/ course.

- 9.7 The student passes the subject/ course only when $GP \ge 5$ ('C' grade or above)
- 9.8 The semester grade point average (SGPA) is calculated by dividing the sum of credit points (ΣCP) secured from all subjects/ courses registered in a semester, by the total number of credits registered during that semester. SGPA is rounded off to **two** decimal places. SGPA is thus computed as

SGPA =
$$\{\sum_{i=1}^{N} C_i G_i\} / \{\sum_{i=1}^{N} C_i\} \dots$$
 For each semester,

where 'i' is the subject indicator index (takes into account all subjects in a semester), 'N' is the no. of subjects 'registered' for the semester (as specifically required and listed under the course structure of the parent department), C_i is the no. of credits allotted to the i^{th} subject, and G_{ij} represents the grade points (GP) corresponding to the letter grade awarded for that i^{th} subject.

9.9 The cumulative grade point average (CGPA) is a measure of the overall cumulative performance of a student in all semesters considered for registration: The CGPA is the ratio of the total credit points secured by a student in all registered courses in all semesters, and the total number of credits registered in all the semesters. CGPA is rounded off to two decimal places. CGPA is thus computed from the I year II semester onwards at the end of each semester as per the formula

$$\textbf{CGPA} = \{ \; \sum_{j=1}^{M} \; C_{j} \; G_{j} \; \} \; / \; \{ \; \sum_{j=1}^{M} \; C_{j} \; \} \; \dots \; \text{for all S semesters registered} \;$$

(i.e., up to and inclusive of S semesters, $S \ge 2$),

where 'M' is the total no. of subjects the student has 'registered' i.e., from the 1st semester onwards up to and inclusive of the 8th semester, 'j' is the subject indicator index (takes into account all subjects from 1 to 8 semesters), C_j is the no. of credits allotted to the jth subject, and G_j represents the grade points (GP) corresponding to the letter grade awarded for that jth subject. After registration and completion of first year first semester, the SGPA of that semester itself may be taken as the CGPA, as there are no cumulative effects.

Illustration of calculation of SGPA

Course/Subject	Credits	Letter Grade	Grade Points	Credit Points
Course 1	4	A	8	$4 \times 8 = 32$
Course 2	4	0	10	4 x 10 = 40
Course 3	4	С	5	$4 \times 5 = 20$
Course 4	3	В	6	$3 \times 6 = 18$
Course 5	3 .	A+	9	$3 \times 9 = 27$
Course 6	3	С	5	$3 \times 5 = 15$
40	Total Credits = 21	19 9		Total Credit Points = 152

SGPA = 152/21 = 7.24

Illustration of calculation of CGPA

Course/Subject	Credits	Letter Grade	Grade Points	Credit Points
		I Year I Semeste	r	
Course 1	4	A	8	$4 \times 8 = 32$
Course 2	4	A+	9	$4 \times 9 = 36$
Course 3	4	В	6	$4 \times 6 = 24$
Course 4	3	O	10	$3 \times 10 = 30$
Course 5	3	B+	7	$3 \times 7 = 21$
Course 6	3 .	A	8	$3 \times 8 = 24$
	I	Year II Semeste	er	
Course 7	4	B+	7	$4 \times 7 = 28$
Course 8	4	Ο, .	10	$4 \times 10 = 40$
Course 9	4	A	8	$4 \times 8 = 32$
Course 10	3	В	6	$3 \times 6 = 18$
Course 11	3	С	5	$3 \times 5 = 15$
Course 12	3	A+	9	$3 \times 9 = 27$
	Total Credits = 42			Total Credit Points = 327

CGPA = 327/42 = 7.79

- 9.10 For merit ranking or comparison purposes or any other listing, only the 'rounded off' values of the CGPAs will be used.
- 9.11 For calculations listed in regulations 9.6 to 9.9, performance in failed subjects/ courses (securing F grade) will also be taken into account, and the credits of such subjects/ courses will also be included in the multiplications and summations. After passing the failed subject(s) newly secured letter grades will be taken into account for calculation of SGPA and CGPA. However, mandatory courses will not be taken into consideration.

10.0 Passing standards

- A student shall be declared successful or 'passed' in a semester, if student secures a GP≥5 ('C' grade or above) in every subject/course in that semester (i.e. when student gets an SGPA ≥ 5.00 at the end of that particular semester); and a student shall be declared successful or 'passed' in the entire under graduate programme, only when gets a CGPA≥5.00 for the award of the degree as required.
- 10.2 After the completion of each semester, a grade card or grade sheet (or transcript) shall be issued to all the registered students of that semester, indicating the letter grades and credits earned. It will show the details of the courses registered (course code, title, no. of credits, and grade earned etc.), credits earned, SGPA, and CGPA.

11.0 Declaration of results

- 11.1 Computation of SGPA and CGPA are done using the procedure listed in 9.6 to 9.9.
- 11.2 For final percentage of marks equivalent to the computed final CGPA, the following formula may be used.

% of Marks = (final CGPA - 0.5) x 10

12.0 Award of degree

- 12.1 A student who registers for all the specified subjects/ courses as listed in the course structure and secures the required number of 196 credits (with CGPA ≥ 5.0), within 8 academic years from the date of commencement of the first academic year, shall be declared to have 'qualified' for the award of the B.Pharm. degree.
- 12.2 A student who qualifies for the award of the degree as listed in item 12.1 shall be placed in the following classes.
- 12.3 Students with final CGPA (at the end of the under graduate programme) \geq 8.00, and fulfilling the following conditions -
 - (i) Should have passed all the subjects/courses in 'first appearance' within the first 4 academic years (or 8 sequential semesters) from the date of commencement of first year first semester.
 - (ii) Should have secured a CGPA ≥ 8.00, at the end of each of the 8 sequential semesters, starting from first year first semester onwards.

- (iii) Should not have been detained or prevented from writing the end semester examinations in any semester due to shortage of attendance or any other reason, shall be placed in 'first class with distinction'.
- 12.4 Students with final CGPA (at the end of the under graduate programme) ≥ 6.50 but < 8.00, shall be placed in 'first class'.
- 12.5 Students with final CGPA (at the end of the under graduate programme) ≥ 5.50 but < 6.50, shall be placed in 'second class'.
- 12.6 All other students who qualify for the award of the degree (as per item 12.1), with final CGPA (at the end of the under graduate programme) ≥ 5.00 but < 5.50, shall be placed in 'pass class'.
- 12.7 A student with final CGPA (at the end of the under graduate programme) < 5.00 will not be eligible for the award of the degree.
- 12.8 Students fulfilling the conditions listed under item 12.3 alone will be eligible for award of 'university rank' and 'gold medal'.

13.0 Withholding of results

13.1 If the student has not paid the fees to the university/ college at any stage, or has dues pending due to any reason whatsoever, or if any case of indiscipline is pending, the result of the student may be withheld, and student will not be allowed to go into the next higher semester. The award or issue of the degree may also be withheld in such cases.

14.0 Transitory regulations

A. For students detained due to shortage of attendance:

- 1. A Student who has been detained in I year of R09/R13/R15/R16 Regulations due to lack of attendance, shall be permitted to join I year I Semester of R17 Regulations and he is required to complete the study of B. Pharmacy programme within the stipulated period of eight academic years from the date of first admission in I Year.
- 2. A student who has been detained in any semester of II, III and IV years of R09/R13/R15/R16 regulations for want of attendance, shall be permitted to join the corresponding semester of R17 regulations and is required to complete the study of B. Pharmacy within the stipulated period of eight academic years from the date of first admission in I Year. The R17 Academic Regulations under which a student has been readmitted shall be applicable to that student from that semester.

See rule (C) for further Transitory Regulations.

B. For students detained due to shortage of credits:

3. A student of R09/R13/R15/R16 Regulations who has been detained due to lack of credits, shall be promoted to the next semester of R17 Regulations only after acquiring the required credits as per the corresponding regulations of his/her first admission. The student is required to complete the study of B. Pharmacy within the stipulated period of

eight academic years from the year of first admission. The R17 Academic Regulations are applicable to a student from the year of readmission onwards.

See rule (C) for further Transitory Regulations.

C. For readmitted students in R17 Regulations:

- 4. A student who has failed in any subject under any regulation has to pass those subjects in the same regulations.
- 5. The maximum credits that a student acquires for the award of degree, shall be the sum of the total number of credits secured in all the regulations of his/her study including R17 Regulations. The performance evaluation of the student will be done after the exemption of two subjects if total credits acquired are ≥ 206, three subjects if total credits acquired are > 206 (see R17 Regulations for exemption details).
- 6. If a student readmitted to R17 Regulations, has any subject with 80% of syllabus common with his/her previous regulations, that particular subject in R17 Regulations will be substituted by another subject to be suggested by the University.
- Note: If a student readmitted to R17 Regulations, has not studied any subjects/topics in his/her earlier regulations of study which is prerequisite for further subjects in R17 Regulations, the College Principals concerned shall conduct remedial classes to cover those subjects/topics for the benefit of the students.

15.0 Student transfers

- 15.1 There shall be no branch transfers after the completion of admission process.
- 15.2 There shall be no transfers from one college/stream to another within the constituent colleges and units of Jawaharlal Nehru Technological University Hyderabad.
- 15.3 The students seeking transfer to colleges affiliated to JNTUH from various other Universities/institutions have to pass the failed subjects which are equivalent to the subjects of JNTUH, and also pass the subjects of JNTUH which the students have not studied at the earlier institution. Further, though the students have passed some of the subjects at the earlier institutions, if the same subjects are prescribed in different semesters of JNTUH, the students have to study those subjects in JNTUH in spite of the fact that those subjects are repeated.
- 15.4 The transferred students from other Universities/institutions to JNTUH affiliated colleges who are on rolls to be provide one chance to write the CBT (internal marks) in the failed subjects and/or subjects not studied as per the clearance letter issued by the university.
- 15.5 The autonomous affiliated colleges have to provide one chance to write the internal examinations in the **failed subjects and/or subjects not studied**, to the students transferred from other universities/institutions to JNTUH autonomous affiliated colleges who are on rolls, as per the clearance (equivalence) letter issued by the University.

- 16.0 Scope
- 16.1 The academic regulations should be read as a whole, for the purpose of any interpretation.
- 16.2 In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice-Chancellor is final.
- 16.3 The university may change or amend the academic regulations, course structure or syllabi at any time, and the changes or amendments made shall be applicable to all students with effect from the date notified by the university authorities.



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD (Established by Act No. 30 of 2008)

Kukatpally, Hyderabad, Telangana (India).

Academic Regulations for B.Pharm. (Lateral Entry Scheme) w.e.f the AY 2018-19

1. Eligibility for award of B. Pharm. Degree (LES)

The LES students after securing admission shall pursue a course of study for not less than three academic years and not more than six academic years.

- 2. The student shall register for 147 credits and secure 147 credits with CGPA ≥ 5 from II year to IV year B.Pharm. programme (LES) for the award of B.Pharm. degree. Out of the 147 credits secured, the student can avail exemption up to 6 credits, that is, two open elective subjects resulting in 141 credits for B.Pharm programme performance evaluation.
- 3. The students, who fail to fulfil the requirement for the award of the degree in six academic years from the year of admission, shall forfeit their seat in B.Pharm.
- 4. The attendance requirements of B. Pharm. (Regular) shall be applicable to B.Pharm. (LES).

5. Promotion rule

S. No	Promotion	Conditions to be fulfilled
1	Second year first semester to second year second semester	Regular course of study of second year first semester.
2	Second year second semester to third year first semester	(i) Regular course of study of second year second semester.
		(ii) Must have secured at least 29 credits out of 48 credits i.e., 60% of credits up

		to second year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
3	Third year first semester to third year second semester	Regular course of study of third year first semester.
4	Third year second semester to fourth year first semester	(i) Regular course of study of third year second semester.
		(ii) Must have secured at least 58 credits out of 96 credits i.e., 60% of credits up to third year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
5	Fourth year first semester to fourth year second semester	Regular course of study of fourth year first semester.

6. All the other regulations as applicable to B. Pharm. 4-year degree course (Regular) will hold good for B. Pharm. (Lateral Entry Scheme).

MALPRACTICES RULES
DISCIPLINARY ACTION FOR / IMPROPER CONDUCT IN EXAMINATIONS

	Nature of Malpractice/Improper conduct	Punishment
	If the student:	
1. (a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which student is appearing but has not made use of (material shall include any marks on the body of the student which can be used as an aid in the subject of the examination)	Expulsion from the examination hall and cancellation of the performance in that subject only.
(b)	Gives assistance or guidance or receives it from any other student orally or by any other body language methods or	Expulsion from the examination hall and cancellation of the performance in that subject only of all the students involved. In case of an

	communicates through cell phones with any student or persons in or outside the exam hall in respect of any matter.	outsider, he will be handed over to the police and a case is registered against him.
2.	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the student is appearing.	and all other subjects the student has already appeared including practical examinations and UG major project and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year.
	appearing.	The hall ticket of the student is to be cancelled and sent to the university.
3.	Impersonates any other student in connection with the examination.	The student who has impersonated shall be expelled from examination hall. The student is also debarred and forfeits the seat. The performance of the original student who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals and UG major project) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all university examinations. The continuation of the course by the student is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him.
4.	Smuggles in the answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the student has already appeared including practical examinations and UG major project and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all university examinations. The continuation of the course by the student is subject to the academic regulations in connection with forfeiture of seat.
5.	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that subject.

		D.C.	
	6.	Refuses to obey the orders of the chief superintendent/assistant superintendent / any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer-in-charge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the college campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.	In case of students of the college, they shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the student(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The students also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.
	7.	Leaves the exam hall taking away answer script or intentionally tears of the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the student has already appeared including practical examinations and UG major project and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all university examinations. The continuation of the course by the student is subject to the academic regulations in connection with forfeiture of seat.
_	8.	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and UG major project and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred and forfeits the seat.
	9.	If student of the college, who is not a student for the particular examination or	Student of the colleges expulsion from the examination hall and cancellation of the

	any person not connected with the collège indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	performance in that subject and all other subjects the student has already appeared including practical examinations and UG major project and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred and forfeits the seat. Person(s) who do not belong to the college will
		be handed over to police and, a police case will be registered against them.
10.	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and UG major project and shall not be permitted for the remaining examinations of the subjects of that semester/year.
11.	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that subject and all other subjects the student has appeared including practical examinations and UG major project of that semester/year examinations.
12.	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the university for further action to award suitable punishment.	

Malpractices identified by squad or special invigilators

- 1. Punishments to the students as per the above guidelines.
- 2. Punishment for institutions : (if the squad reports that the college is also involved in encouraging malpractices)
 - a. A show cause notice shall be issued to the college.
 - b. Impose a suitable fine on the college.
 - c. Shifting the examination centre from the college to another college for a specific period of not less than one year.

* * * * *



साप्ताहिक/WEEKLY

प्राधिकार से प्रकाशित PUBLISHED BY AUTHORITY

iº 19] [o. 19] नई दिल्ली, शनिवार, मई 10—मई 16, 2008 (वैशाख 20, 1930) NEW DELHI, SATURDAY, MAY 10—MAY 16, 2008 (VAISAKHA 20, 1930)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके। (Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 4 [PART III—SECTION 4]

सांविधिक निकायों द्वारा जारी की गई विविध अधिसूचनाएं जिसमें कि आदेश, विज्ञापन और सूचनाएं सम्मिलित हैं] [Miscellaneous Notifications including Notifications, Orders, Advertisements and Notices issued by Statutory Bodies]

भारतीय रिजर्व बैंक

मुंबई-400001, दिनांक 9 अप्रैल 2008

सदर्भ: बैंपविवि. सं. आईबीडी.-14241/23.13.048/2007-08--भारतीय रिज़र्व बैंक अधिनियम, 934 (1934 का 2) की धारा 42 की उप-धारा (6) के खण्ड (ग) के अनुसरण में भारतीय रिज़र्व बैंक इसके द्वारा निदेश देता है कि उक्त अधिनियम की दूसरी अनुसूची में निम्नलिखित परिवर्तन किये जाएं:--

''अरब बांगलादेश बैंक लिमिटेड'' शब्दों के स्थान पर ''एबी बैंक लिमिटेड'' शब्द होंगे।

आनन्द रि कार्यपालक रि

[PUBLISHED IN THE GAZETTE OF INDIA, No.19, PART III, SECTION 4]

Ministry of Health and Family Welfare (Pharmacy Council of India)

New Delhi, 10th May, 2008.

Pharm.D. Regulations 2008

Regulations framed under section 10 of the Pharmacy Act, 1948 (8 of 1948).

(As approved by the Government of India, Ministry of Health vide, letter No.V.13013/1/2007-PMS, dated the 13^{th} March, 2008 and notified by the Pharmacy Council of India).

No.14-126/2007-PCI.— In exercise of the powers conferred by section 10 of the Pharmacy Act, 1948 (8 of 1948), the Pharmacy Council of India, with the approval of the Central Government, hereby makes the following regulations, namely:-

CHAPTER-I

- 1. Short title and commencement. (1) These regulations may be called the Pharm.D. Regulations 2008.
 - (2) They shall come into force from the date of their publication in the official Gazette.
- 2. Pharm.D. shall consist of a certificate, having passed the course of study and examination as prescribed in these regulations, for the purpose of registration as a pharmacist to practice the profession under the Pharmacy Act, 1948.

CHAPTER-II

- 3. Duration of the course.
 - a) Pharm.D: The duration of the course shall be six academic years (five years of study and one year of internship or residency) full time with each academic year spread over a period of not less than two hundred working days. The period of six years duration is divided into two phases
 - Phase I consisting of First, Second, Third, Fourth and Fifth academic year.
 - Phase II consisting of internship or residency training during sixth year involving posting in speciality units. It is a phase of training wherein a student is exposed to actual pharmacy practice or clinical pharmacy services and acquires skill under supervision so that he or she may become capable of functioning independently.
 - b) Pharm.D. (Post Baccalaureate): The duration of the course shall be for three academic years (two years of study and one year internship or residency) full time with each academic year spread over a period of not less than two hundred working days. The period of three years duration is divided into two phases
 - Phase I consisting of First and Second academic year.
 - Phase II consisting of Internship or residency training during third year involving posting in speciality units. It is a phase of training wherein a student is exposed to actual pharmacy practice or clinical pharmacy services, and acquires skill under supervision so that he or she may become capable of functioning independently.
- 4. Minimum qualification for admission to. -
- a) Pharm.D. Part-I Course A pass in any of the following examinations -
- (1) 10+2 examination with Physics and Chemistry as compulsory subjects along with one of the following subjects:

Mathematics or Biology.

- (2) A pass in D.Pharm course from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act.
- (3) Any other qualification approved by the Pharmacy Council of India as equivalent to any of the above examinations.

Provided that a student should complete the age of 17 years on or before 31st December of the year of admission to the course.

Provided that there shall be reservation of seats for the students belonging to the Scheduled Castes, Scheduled Tribes and other Backward Classes in accordance with the instructions issued by the Central Government/State Government/Union Territory Administration as the case may be from time to time.

b) Pharm.D. (Post Baccalaureate) Course -

A pass in B.Pharm from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act:

Provided that there shall be reservation of seats for the students belonging to the Scheduled Castes, Scheduled Tribes and other Backward Classes in accordance with the instructions issued by the Central Government/State Government/Union Territory Administration as the case may be from time to time.

- 5. Number of admissions in the above said programmes shall be as prescribed by the Pharmacy Council of India from time to time and presently be restricted as below
 - i) Pharm.D. Programme 30 students.
 - ii) Pharm.D. (Post Baccalaureate) Programme 10 students.
- 6. Institutions running B.Pharm programme approved under section 12 of the Pharmacy Act, will only be permitted to run Pharm.D. programme. Pharm.D. (Post Baccalaureate) programme will be permitted only in those institutions which are permitted to run Pharm.D. programme.
- 7. Course of study. The course of study for Pharm.D. shall include the subjects as given in the Tables below. The number of hours in a week, devoted to each subject for its teaching in theory, practical and tutorial shall not be less than that noted against it in columns (3), (4) and (5) below.

TABLES

First Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
1.1	Human Anatomy and Physiology	3	3	1
1.2	Pharmaceutics	2	3	1
1.3	Medicinal Biochemistry	3	3	1
1.4	Pharmaceutical Organic Chemistry	3	3	1
1.5	Pharmaceutical Inorganic Chemistry	. 2	3	1
1.6	Remedial Mathematics/ Biology	3	3*	1
	Total hours	16	18	6 = (40)

^{*} For Biology

Second Year:

S.No	Name of Subject	No. of hours of Theory	No. of hours of Practical	No. of hours of Tutorial	
(1)	(2)	(3)	(4)	(5)	
2.1	Pathophysiology	3	0 <u>=</u>	1	
2.2	Pharmaceutical Microbiology	3	3	1	
2.3	Pharmacognosy & Phytopharmaceuticals	3	3	1	
2.4	Pharmacology-I	3	-	1	
2.5	Community Pharmacy	2		1	
2.6	Pharmacotherapeutics-I	3	3	1	
	Total Hours	17	9	6 = 32	

Third Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical	No. of hours of Tutorial	
(1)	(2)	(3)	(4)	(5)	
3.1	Pharmacology-II	3	3	1	
3.2	Pharmaceutical Analysis	3	3	1	
3.3	Pharmacotherapeutics-II	3	3	1	
3.4	Pharmaceutical Jurisprudence	. 2		-	
3.5	Medicinal Chemistry	3	3	1	
3.6	Pharmaceutical Formulations	2	3	1	
	Total hours	16	15	5 = 36	

Fourth Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical/ Hospital Posting	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
4.1	Pharmacotherapeutics-III	3	3	1
4.2	Hospital Pharmacy	2	3	1
4.3	Clinical Pharmacy	3	3	1
4.4	Biostatistics & Research Methodology	2	-	1
4.5	Biopharmaceutics & Pharmacokinetics	3	3	1
4.6	Clinical Toxicology	2		1
=	Total hours	15	12	6 = 33

Fifth Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Hospital posting*	No. of hours of Seminar
(1)	, (2)	(3)	(4)	(5)
5.1	Clinical Research	3	-	1
5.2	Pharmacoepidemiology and Pharmacoeconomics	3	-	1
5.3	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	2	-	1
5.4	Clerkship *	-	.=	1
5.5	Project work (Six Months)	-	20	-
	Total hours	8	20	4 = 32

^{*} Attending ward rounds on daily basis.

Sixth Year:

Internship or residency training including postings in speciality units. Student should independently provide the clinical pharmacy services to the allotted wards.

- (i) Six months in General Medicine department, and
- (ii) Two months each in three other speciality departments
- 8. Syllabus. The syllabus for each subject of study in the said Tables shall be as specified in Appendix -A to these regulations.
- Approval of the authority conducting the course of study. (1) No person, institution, society or university shall start and conduct Pharm.D or Pharm.D. (Post Baccalaureate) programme without the prior approval of the Pharmacy Council of India.
 - (2) Any person or pharmacy college for the purpose of obtaining permission under sub-section (1) of section 12 of the Pharmacy Act, shall submit a scheme as prescribed by the Pharmacy Council of India.
 - (3) The scheme referred to in sub-regulation (2) above, shall be in such form and contain such particulars and be preferred in such manner and be accompanied with such fee as may be prescribed:

Provided that the Pharmacy Council of India shall not approve any institution under these regulations unless it provides adequate arrangements for teaching in regard to building, accommodation, labs., equipments, teaching staff, non-teaching staff, etc., as specified in Appendix-B to these regulations.

- 10. Examination. -(1) Every year there shall be an examination to examine the students.
 - (2) Each examination may be held twice every year. The first examination in a year shall be the annual examination and the second examination shall be supplementary examination.
 - (3) The examinations shall be of written and practical (including oral nature) carrying maximum marks for each part of a subject as indicated in Tables below:

TABLES

First Year examination:

S.No.	Name of Subject	Maximum marks for Theory			Maximur	n marks for P	racticals
		Examination	Sessional	· Total	Examination	Sessional	Total
1.1	Human Anatomy and Physiology	70	30	100	70	30	100
1.2	Pharmaceutics	70	30	100	70		
1.3	Medicinal Biochemistry	70	30		70	30	100
1.4	Pharmaceutical Organic	70		100	70	30	100
	Chemistry	70	30	100	70	30	100
1.5	Pharmaceutical Inorganic Chemistry	70	30	100	70	30	100
1.6	Remedial Mathematics/ Biology	70	30	100	70*	30*	100*
	Biology.			600			600 = 1200

Second Year examination :

S.No.	Name of Subject	e of Subject Maximum marks for Theory				n marks for P	racticals
		Examination	Sessional	Total	Examination	Sessional	Total
2.1	Pathophysiology	70	30	100			
2.2	Pharmaceutical	70		10,70,50		-	-
974,077	Microbiology	/0	30	100	70	30	100
2.3	Pharmacognosy & Phytopharmaceuticals	70	30	100	70	30	100
2.4	Pharmacology-I	70	30	100			
2.5	Community Pharmacy	70	17 (7)	100	-	-	_
2.6			30	100	-		_
4.0	Pharmacotherapeutics-I	70	30	100	70	30	100
				600			300 = 900

Third Year examination:

S.No.	Name of Subject	Maximu	ım marks for	Theory	Maximur	n marks for P	racticals
		Examination	Sessional	Total	Examination	Sessional	Total
3.1	Pharmacology-II	70	30	100		15	- FORTI I
3.2	Pharmaceutical Analysis	70		100	70	30	100
3.3	Pharmacotherapeutics-II	17/10/25	30	100	70	30	100
23/2018/		70	30	100	70	30	100
3.4	Pharmaceutical Jurisprudence	70	30	100	-	-	-
3.5	Medicinal Chemistry	70	30	100			
3.6	Pharmaceutical Formulations			100	70	30	100
	- marmaceutical Formulations	70	30	100	70	30	100
				600			500 = 1100

Fourth Year examination :

S.No.	Name of Subject	ject Maximum marks for Theory			Maximum marks for Practicals		
	•	Examination	Sessional	Total	Examination	Sessional	Total
4.1	Pharmacotherapeutics-III	70	30	100			
4.2	Hospital Pharmacy	70	100000	100	70	30	100
4.3	Clinical Pharmacy		30	100	70	30	100
4.4		70	30	100	70	30	100
4.4	Biostatistics & Research Methodology	70	30	100	-	-	-
4.5	Biopharmaceutics & Pharmacokinetics	70	30	100	70	30	100
4.6	Clinical Toxicology	70	30	100	_		
				600		•	400 = 100

Fifth Year examination:

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
5.1	Clinical Research	70	30	100	-	-	-
5.2	Pharmacoepidemiology and Pharmacoeconomics	70	30	100	-	-	-
5.3	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	70	30	100	-	-	-
5.4	Clerkship *				70	30	100
5.5	Project work (Six Months)	-	-	-	100**		100
				300			200 = 500

^{*} Attending ward rounds on daily basis.

70 marks - Thesis work

- 11. Eligibility for appearing Examination.— Only such students who produce certificate from the Head of the Institution in which he or she has undergone the Pharm.D. or as the case may be, the Pharm.D. (Post Baccalaureate) course, in proof of his or her having regularly and satisfactorily undergone the course of study by attending not less than 80% of the classes held both in theory and in practical separately in each subject shall be eligible for appearing at examination.
- 12. Mode of examinations.— (1) Theory examination shall be of three hours and practical examination shall be of four hours duration.
 - (2) A Student who fails in theory or practical examination of a subject shall re-appear both in theory and practical of the same subject.
 - (3) Practical examination shall also consist of a viva -voce (Oral) examination.
 - (4) Clerkship examination Oral examination shall be conducted after the completion of clerkship of students. An external and an internal examiner will evaluate the student. Students may be asked to present the allotted medical cases followed by discussion. Students' capabilities in delivering clinical pharmacy services, pharmaceutical care planning and knowledge of therapeutics shall be assessed.
- 13. Award of sessional marks and maintenance of records.— (1) A regular record of both theory and practical class work and examinations conducted in an institution imparting training for Pharm.D. or as the case may be, Pharm.D. (Post Baccalaureate) course, shall be maintained for each student in the institution and 30 marks for each theory and 30 marks for each practical subject shall be allotted as sessional.
 - (2) There shall be at least two periodic sessional examinations during each academic year and the highest aggregate of any two performances shall form the basis of calculating sessional marks.
 - (3) The sessional marks in practicals shall be allotted on the following basis:-
 - (i) Actual performance in the sessional examination

(20 marks);

(ii) Day to day assessment in the practical class work, promptness, viva-voce record maintenance, etc.

(10 marks).

^{** 30} marks - viva-voce (oral)

- 14. Minimum marks for passing examination.— A student shall not be declared to have passed examination unless he or she secures at least 50% marks in each of the subjects separately in the theory examinations, including sessional marks and at least 50% marks in each of the practical examinations including sessional marks. The students securing 60% marks or above in aggregate in all subjects in a single attempt at the Pharm.D. or as the case may be, Pharm. D. (Post Baccalaureate) course examination shall be declared to have passed in first class. Students securing 75% marks or above in any subject or subjects shall be declared to have passed with distinction in the subject or those subjects provided he or she passes in all the subjects in a single attempt.
- 15. Eligibility for promotion to next year.— All students who have appeared for all the subjects and passed the first year annual examination are eligible for promotion to the second year and, so on. However, failure in more than two subjects shall debar him or her from promotion to the next year classes.
- 16. Internship.— (1) Internship is a phase of training wherein a student is expected to conduct actual practice of pharmacy and health care and acquires skills under the supervision so that he or she may become capable of functioning independently.
 - (2) Every student has to undergo one year internship as per Appendix-C to these regulations.
- 17. Approval of examinations.— Examinations mentioned in regulations 10 to12 and 14 shall be held by the examining authority hereinafter referred to as the university, which shall be approved by the Pharmacy Council of India under sub-section (2) of section 12 of the Pharmacy Act, 1948. Such approval shall be granted only if the examining authority concerned fulfills the conditions as specified in Appendix–D to these regulations.
- 18. Certificate of passing examination.— Every student who has passed the examinations for the Pharm.D. (Doctor of Pharmacy) or Pharm.D. (Post Baccalaureate) (Doctor of Pharmacy) as the case may be, shall be granted a certificate by the examining authority.

CHAPTER-III Practical training

- 19. Hospital posting.— Every student shall be posted in constituent hospital for a period of not less than fifty hours to be covered in not less than 200 working days in each of second, third & fourth year course. Each student shall submit report duly certified by the preceptor and duly attested by the Head of the Department or Institution as prescribed. In the fifth year, every student shall spend half a day in the morning hours attending ward rounds on daily basis as a part of clerkship. Theory teaching may be scheduled in the afternoon.
- 20. Project work.— (1) To allow the student to develop data collection and reporting skills in the area of community, hospital and clinical pharmacy, a project work shall be carried out under the supervision of a teacher. The project topic must be approved by the Head of the Department or Head of the Institution. The same shall be announced to students within one month of commencement of the fifth year classes. Project work shall be presented in a written report and as a seminar at the end of the year. External and the internal examiners shall do the assessment of the project work.
 - (2) Project work shall comprise of objectives of the work, methodology, results, discussions and conclusions.
- 21. Objectives of project work.— The main objectives of the project work is to—
 - (i) show the evidence of having made accurate description of published work of others and of having recorded the findings in an impartial manner; and
 - (ii) develop the students in data collection, analysis and reporting and interpretation skills.
- 22. Methodology.— To complete the project work following methodology shall be adopted, namely:—
 - (i) students shall work in groups of not less than two and not more than four under an authorised teacher;
 - (ii) project topic shall be approved by the Head of the Department or Head of the Institution;
 - (iii)project work chosen shall be related to the pharmacy practice in community, hospital and clinical setup. It shall be patient and treatment (Medicine) oriented, like drug utilisation reviews, pharmacoepidemiology, pharmacovigilance or pharmacoeconomics;
 - (iv)project work shall be approved by the institutional ethics committee;
 - (v) student shall present at least three seminars, one in the beginning, one at middle and one at the end of the project work; and
 - (vi)two-page write-up of the project indicating title, objectives, methodology anticipated benefits and references shall be submitted to the Head of the Department or Head of the Institution.

- 23. Reporting .— (1) Student working on the project shall submit jointly to the Head of the Department or Head of the Institution a project report of about 40-50 pages. Project report should include a certificate issued by the authorised teacher, Head of the Department as well as by the Head of the Institution
 - (2) Project report shall be computer typed in double space using Times Roman font on A4 paper. The title shall be in bold with font size 18, sub-tiles in bold with font size 14 and the text with font size 12. The cover page of the project report shall contain details about the name of the student and the name of the authorised teacher with font size 14.
 - (3) Submission of the project report shall be done at least one month prior to the commencement of annual or supplementary examination.
- 24. Evaluation.— The following methodology shall be adopted for evaluating the project work—
 - (i) Project work shall be evaluated by internal and external examiners.
 - (ii) Students shall be evaluated in groups for four hours (i.e., about half an hour for a group of four students).
 - (iii)Three seminars presented by students shall be evaluated for twenty marks each and the average of best two shall be forwarded to the university with marks of other subjects.

(iv) Evolution shall be			
	lone on the following items:	Marks	
a) Write up of the se	minar	(7.5)	
b) Presentation of we	ork	(7.5)	
c) Communication sl	kills	(7.5)	
d) Question and answ	ver skills	(7.5)	
	Total	(30 marks)	i.
(v) Final evaluation of p	roject work shall be done on the following items:	Marks	
a) Write up of the ser	minar	/ · · · · · ·	
a) write up of the se	iiiiai	(17.5)	
b) Presentation of wo		(17.5) (17.5)	
	ork	(17.5)	
b) Presentation of wo	ork kills		
b) Presentation of woc) Communication sl	ork kills	(17.5) (17.5)	

Explanation.— For the purposes of differentiation in the evaluation in case of topic being the same for the group of students, the same shall be done based on item numbers b, c and d mentioned above.



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD (Established by Act No.30 of 2008) Kukatpally, Hyderabad–500085, Telangana State (India)

Academic Regulations of M.Pharm. (Regular/Full Time) Programmes, 2022-23 (R22) (CBCS)

(Effective for the students admitted into I year from the Academic Year 2022-23 and onwards)

1.0 Post-Graduate Degree Programmes in Pharmacy (PGP in Pharmacy) Jawaharlal Nehru Technological University Hyderabad (JNTUH) offers Two Years (Four Semesters) full-time Master of Pharmacy (M.Pharm.) Degree programmes, under Choice Based Credit System (CBCS) at its constituent (non-autonomous) and affiliated colleges in different specializations.

2.0 Eligibility for Admissions

- 2.1 Admission to the PGPs shall be made subject to eligibility, qualification and specializations prescribed by the University from time to time, for each specialization under each M.Pharm. programme.
- Admission to the post graduate programme shall be made on the basis of either the merit rank or Percentile obtained by the qualified student in the relevant qualifying GPAT Examination/ the merit rank obtained by the qualified student in an entrance test conducted by Telangana State Government (PGECET) for M.Pharm. programmes / an entrance test conducted by JNTUH/ on the basis of any other exams approved by the University, subject to reservations as laid down by the Govt. from time to time.
- 2.3 The medium of instructions for all PG Programmes will be ENGLISH only.

3.0 M.Pharm. Programme (PGP in Pharmacy) Structure

- 3.1 The M.Pharm. Programmes in Pharmacy of JNTUH are of Semester pattern, with Four Semesters consisting of Two academic years, each academic year having Two Semesters (First/Odd and Second/Even Semesters). Each Semester shall be of 23 weeks duration (inclusive of Examinations), with a minimum of 100 instructional days per Semester.
- 3.2 The student shall not take more than **four** academic years to fulfill all the academic requirements for the award of M.Pharm. degree from the date of commencement of first year first semester, failing which the student shall forfeit the seat in M.Pharm. programme.
- 3.3 UGC/PCI specified definitions/descriptions are adopted appropriately for various terms and abbreviations used in these PG academic regulations, as listed below:

3.3.1 Semester Scheme

Each Semester shall have 'Continuous Internal Evaluation (CIE)' and 'Semester End Examination (SEE)'. Choice Based Credit System (CBCS) and Credit Based Semester System (CBSS) are taken as 'references' for the present set of Regulations. The terms 'SUBJECT' and 'COURSE' imply the same meaning here and refer to 'Theory Subject', or 'Lab Course', or 'Design Subject', or 'Mini Project with Seminar', or 'Dissertation', as the case may be.

3.3.2 Credit Courses

All subjects/courses are to be registered by the student in a semester to earn'credits which shall be assigned to each subject/course in an L: T: P: C (Lecture Periods: Tutorial Periods: Practical Periods:



Credits) structure based on the following general pattern:

- One credit for one hour/week/semester for theory/lecture (L) courses
- One credit for two hours/ week/semester for laboratory/ practical (P) courses or tutorials (T)

Other student activities like study tour, guest lecture, conference/workshop participations, technical paper presentations and mandatory courses (*Audit Courses*) will not carry any credits.

3.3.3 Subject Course Classification

All subjects/courses offered for the Post-Graduate Programme in Pharmacy (M.Pharm. Degree Programme) are broadly classified as follows. The University has followed in general the guidelines issued by UGC/PCI.

3	Mandatory Courses		Non-Credit Audit Courses
	Assessed	Electives	subjects or subjects in an area outside the Specialization in Pharmacy
2	Elective Courses (EIE)	Electives OE - Open	Elective subjects which include inter-disciplinary
		Professional	Specialization in Pharmacy
		PE -	Includes elective subjects related to the
		Seminar	related to the Specialization in Pharmacy
	10	Mini Project/	Mini Project/Seminar based on core contents
,	Cole Courses (Coc)	Dissertation	M.Pharm. Project or PG Project or Major Project
1	Core Courses (CoC)	Core	Pharmacy
		Core	Includes subjects related to the Specialization in
	O TO SO THE CATE OF THE CATE O	PC- Professional	Includes subjects related to the Consideration in
S.No.	Broad Course Classification	Course Group/ Category	Course Description

4.0 Course Registration

- 4.1 A 'Faculty Advisor or Counselor' shall be assigned to each specialization, who will advise on the Post Graduate Programme (PGP), its Course Structure and Curriculum, Choice/Option for Subjects/ Courses, based on his competence, progress, pre-requisites and interest.
- The Academic Section of the College invites 'Registration Forms' from students within 15 days from the commencement of class work through 'ON-LINE SUBMISSIONS', ensuring 'DATE and TIME Stamping'.

 The ON-LINE Registration Requests for any 'CURRENT SEMESTER' shall be completed BEFORE the commencement of SEEs (Semester End Examinations) of the 'PRECEDING SEMESTER'.
- 4.3 A Student can apply for ON-LINE Registration, ONLY AFTER obtaining the 'WRITTEN APPROVAL' from his Faculty Advisor, which should be submitted to the College Academic Section through the Head of Department (a copy of it being retained with Head of Department, Faculty Advisor and the Student).
- 4.4 If the Student submits ambiguous choices or multiple options or erroneous entries during ON-LINE Registration for the Subject(s) / Course(s) under a given/ specified Course Group/ Category as listed in the Course Structure, only the first mentioned Subject/ Course in that Category will be taken into consideration.



4.5 Subject/ Course Options exercised through ON-LINE Registration are final and CANNOT be changed, nor can they be inter-changed; further, alternate choices also will not be considered. However, if the Subject/ Course that has already been listed for Registration by the University in a Semester could not be offered due to unforeseen or unexpected reasons, then the Student will be allowed to have alternate choice either for a new Subject, if it is offered, or for another existing Subject (subject to availability of seats). Such alternate arrangements will be made by the Head of Department, with due notification and time-framed schedule, within the FIRST WEEK from the commencement of Class-work for that Semester.

5.0 Attendance Requirements

The programmes are offered based on a unit system with each subject being considered a unit. Attendance is calculated separately for each subject.

- 5.1 Attendance in all classes (Lectures/Laboratories) is compulsory. The minimum required attendance in each theory subject (also mandatory audit courses) including the attendance of mid-term examination / Laboratory etc. is 80%. Two periods of attendance for each theory subject shall be considered, if the student appears for the mid-term examination of that subject. This attendance should also be included in the fortnightly upload of attendance to the University. The attendance of mandatory audit courses should be uploaded separately to the University. A student shall not be permitted to appear for the Semester End Examinations (SEE), if his attendance is less than 80%.
- 5.2 A student's Seminar report and presentation on Mini Project shall be eligible for evaluation, only if he ensures a minimum of 80% of his attendance in Seminar presentation classes on Mini Project during that Semester.
- 5.3 Condoning of shortage of attendance (between 70% and 80%) up to a maximum of 10% (considering the days of attendance in sports, games, NCC, NSS activities and Medical grounds) in each subject (Theory/Lab/Mini Project with Seminar) of a semester shall be granted by the College Academic Committee on genuine reasons.
- 5.4 A prescribed fee per subject shall be payable for condoning shortage of attendance after getting the approval of College Academic Committee for the same. The College Academic Committee shall maintain relevant documents along with the request from the student.
- 5.5 Shortage of Attendance below 70% in any subject shall in no case be condoned.
- A Student, whose shortage of attendance is not condoned in any Subject(s) (Theory/Lab/Mini Project with Seminar) in any Semester, is considered as 'Detained in that Subject(s), and is not eligible to write Semester End Examination(s) of such Subject(s), (in case of Mini Project with Seminar, his/her Mini Project with Seminar Report or Presentation are not eligible for evaluation) in that Semester; and he/she has to seek re-registration for those Subject(s) in subsequent Semesters, and attend the same as and when offered.
- 5.7 A student fulfills the attendance requirement in the present semester, shall not be eligible for readmission into the same class.
- 5.8 a) A student shall put in a minimum required attendance in at least three theory subjects (excluding mandatory(audit) course) in first Year I semester for promotion to first Year II Semester.
 - b) A student shall put in a minimum required attendance in at least three theory subjects (excluding mandatory(audit) course) in first Year II semester for promotion to second Year I Semester.



6.0 Academic Requirements

The following academic requirements must be satisfied, in addition to the attendance requirements mentioned in item no. 5. The performance of the candidate in each semester shall be evaluated subject-wise, with a maximum of 100 marks per subject / course (theory / practical), based on Internal Evaluation and Semester End Examination.

- 6.1 A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each subject/course, if he secures not less than 40% of marks (30 out of 75 marks) in the Semester End Examination, and a minimum of 50% of marks in the sum total of CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together; in terms of Letter Grades and this implies securing 'D' Grade or above in a subject.
- A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to **Mini Project**, if student secures not less than 50% marks (i.e. 50 out of 100 allotted marks). The student would be treated as failed, if student (i) does not submit a report on Mini Project or does not make a presentation of the same before the evaluation committee as per schedule or (ii) secures less than 50% marks in Mini Project evaluation. The failed student may reappear once for the above evaluation, as and when they are scheduled again; if the student fails in such 'one reappearance' evaluation also, the student has to reappear for the same in the next subsequent semester, as and when it is scheduled.
- A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to seminar & assignment, if student secures not less than 50% marks i.e. 50 out of 100 allotted marks. 50 marks are allotted for Seminar, 50 marks are allotted for Assignment, Total 50+50 = 100 marks. The student would be treated as failed, if student (i) does not submit a report on seminar/does not submit the assignments as prescribed or does not make a seminar presentation before the evaluation committee as per schedule or (ii) secures less than 50% (i.e. < 25 marks out of 50) marks in each of the seminar & assignment evaluations. The student failed in seminar evaluation may reappear once for it, as and when it is scheduled again; The student failed in assignment evaluation may submit the assignments once again for the evaluation, as and when the assignment submission is scheduled again. If the student fails in such 'one reappearance' evaluation also, the student has to reappear for the same in the next subsequent semester, as and when it is scheduled.
- A student shall register for all subjects for total of 98 credits as specified and listed in the course structure for the chosen specialization, put in required the attendance and fulfill the academic requirements for securing 98 credits obtaining a minimum of 'D' Grade or above in each subject, and all 98 credits securing Semester Grade Point Average (SGPA) ≥ 6.0 (in each semester) and final Cumulative Grade Point Average (CGPA) (i.e., CGPA at the end of PGP) ≥ 6.0, and shall pass all the mandatory audit courses to complete the PGP successfully.
- Note: (1) The SGPA will be computed and printed on the marks memo only if the candidate passes in all the subjects offered and gets minimum 'D' grade in all the subjects.
 - (2) CGPA is calculated only when the candidate passes in all the subjects offered in all the semesters
- Marks and Letter Grades obtained in all those subjects covering the above specified **98** credits alone shall be considered for the calculation of final CGPA, which will be indicated in the Grade Card /Marks Memo of second year second semester.
- 6.6 If a student registers for extra subject(s) (in the parent specialization or other specializations of



Pharmacy) other than those listed subjects totaling to **98** credits as specified in the course structure, the performance in extra subject(s) (although evaluated and graded using the same procedure as that of the required **98** credits) will not be considered while calculating the SGPA and CGPA. For such extra subject(s) registered, percentage of marks and Letter Grade alone will be indicated in the Grade Card/Marks Memo, as a performance measure, subject to completion of the attendance and academic requirements as stated in items 5 and 6.1 - 6.4.

- When a student is detained due to shortage of attendance in any subject(s) in any semester, no Grade allotment will be made for such subject(s). However, he is eligible for re-registration of such subject(s) in the subsequent semester(s), as and when next offered, with the academic regulations of the batch into which he is re-registered, by paying the prescribed fees per subject. In all these re-registration cases, the student shall have to secure a fresh set of internal marks and Semester End Examination marks for performance evaluation in such subject(s), and SGPA/CGPA calculations.
- 6.8 A student eligible to appear for the Semester End Examination in any subject, but absent from it or failed (failing to secure 'D' Grade or above), may reappear for that subject at the supplementary examination as and when conducted. In such cases, his Internal Marks assessed earlier for that subject will be carried over, and added to the marks secured in the supplementary examination, for the purpose of evaluating his performance in that subject.
- 6.9 A Student who fails to earn 98 credits as per the specified course structure, and as indicated above, within four academic years from the date of commencement of his first year first semester, shall forfeit his seat in M.Pharm. programme and his admission shall stand cancelled.
- 7.0 Evaluation Distribution and Weightage of Marks

The performance of a student in each semester shall be evaluated subject-wise (irrespective of credits assigned) for a maximum of 100 marks. The performance of a student in every theory subject/course will be evaluated for 100 marks, with 25 marks allotted for CIE (Continuous Internal Evaluation) and 75 marks for SEE (Semester End-Examination).

- 7.1 For theory subjects, 75 marks shall be awarded for the performance in the Semester End Examination and 25 marks shall be awarded for Continuous Internal Evaluation (CIE). The Continuous Internal Evaluation shall be made based on the average of the marks secured in the two Mid-Term Examinations conducted, first Mid-Term examinations in the middle of the Semester and second Mid-Term examinations during the last week of instruction. Each Mid-Term Examination shall be conducted for a total duration of 120 minutes with Part 'A' as compulsory consisting of 5 questions carrying 2 marks each (10 marks), and Part 'B' with 3 questions to be answered out of 5 questions, each question carrying 5 marks (15 marks). The details of the Question Paper pattern for Semester End Examination (Theory) are given below:
 - The Semester End Examination will be conducted for 75 marks. It consists of two parts.
 i) Part A for 25 marks, ii) Part B for 50 marks.
 - Part A is compulsory and consists of 5 questions, one from each unit and carrying 5 marks each.
 - Part B consists of 5 questions carrying 10 marks each. There will be two questions from each unit and only one should be answered.
- **7.2** For practical subjects there shall be a Continuous Internal Evaluation (CIE) during the semester for 25 marks and 75 marks for semester end examination. Out of the 25 marks for internal evaluation:
 - 1. A write-up on day-to-day experiment in the laboratory (in terms of aim, components/procedure, expected outcome) which shall be evaluated for 5 marks



- 2. 10 marks for viva-voce in the course concerned.
- 3. Internal practical examination conducted by the laboratory teacher concerned shall be evaluated for 10 marks.

The Semester End Examination shall be conducted with an external examiner and the laboratory teacher. The external examiner shall be appointed from the cluster/other colleges which will be decided by the examination branch of the University.

In the Semester End Examination held for 3 hours, total 75 marks are divided and allocated as shown below:

- 1. 10 marks for Synopsis
- 2. 50 marks for experiment
- 3. 15 marks for viva-voce on concerned laboratory course

A student has to secure 50 marks (i.e. 50% out of the 100 marks) allotted for CIE and SEE taken together.

- There shall be Mini Project during I year II semester for internal evaluation of 100 marks. The Departmental Academic Committee (DAC) will review the progress of the mini project during the presentations and evaluate the same for 50 marks. Mini Project Viva Voce will be evaluated by the DAC for another 50 marks before the semester end examinations. Student shall carryout the mini project in consultation with the mini project supervisor which may include critically reviewing the literature, project implementation and submit it to the department in the form of a report and shall make an oral presentation before the DAC consisting of Head of the Department, Mini Project supervisor and two other senior faculty members of the department. The student has to secure a minimum of 50% of marks in i) mini project presentation and ii) mini project viva voce, to be declared successful. If he fails to obtain the minimum marks, he has to reappear for the same as and when scheduled.
- 7.4 There shall be seminar & assignment during I Year I Semester & I Year II Semester for internal evaluation of 100 marks. 50 marks are allotted for Seminar, 50 marks are allotted for Assignment, Total 50+50 = 100 marks.

For Seminar, the student in consultation with the seminar supervisor shall collect the information on a specialized topic, prepare a report, and submit it to the department. The Departmental Academic Committee (DAC) consisting of Head of the Department, seminar supervisor and two other senior faculty members of the department will evaluate the seminar report for 50 marks before the semester end examinations. The student has to secure a minimum of 25 marks (i.e. 50% out of the 50 marks) allotted to be declared successful. If he fails to obtain the minimum marks, he has to reappear for the same as and when scheduled.

For Assignment, the student is required to submit one assignment from each theory subject/course in I Year I Semester & I Year II Semester before the commencement of Semester End Examinations.

- In I Year I Semester there are 5 theory courses and 5 assignments are to be submitted in total, one assignment each to the concerned theory subject teacher. The concerned theory subject teacher will evaluate the assignment for 10 marks. So 5 assignments will be evaluated for 50 marks in total.
- In I Year II Semester there are 4 theory courses and 4 assignments are to be submitted in total, one assignment each to the concerned theory subject teacher. The concerned theory subject teacher will evaluate the assignment for 12.5 marks. So 4 assignments will be evaluated for 50 marks in total.



The student has to secure a minimum of 25 marks (i.e. 50% out of the 50 marks) allotted to be declared successful. If he fails to obtain the minimum marks, he may submit the assignments once again for the evaluation, as and when the assignment submission is scheduled again.

- There shall be comprehensive viva-voce during II year I semester for external evaluation of 100 marks. It shall be evaluated by the committee consisting of an external examiner, Head of the Department, and two other senior faculty members of the department before the semester end examinations. The external examiner shall be appointed from the cluster/other colleges which will be decided by the examination branch of the University. The student has to secure a minimum of 50 marks (i.e. 50% out of the 100 marks) allotted to be declared successful. If he fails to obtain the minimum marks, he has to reappear for the same as and when scheduled.
- 7.6 Every candidate shall be required to submit a dissertation on a topic approved by the Dissertation Review Committee.
- 7.7 A Dissertation Review Committee (DRC) shall be constituted with the Head of the Department as Chairperson, Dissertation Supervisor and one senior faculty member of the Department offering the M.Pharm. programme.
- 7.8 Registration of Dissertation Work: A candidate is permitted to register for the Dissertation Work after satisfying the attendance requirement in all the subjects, both theory and laboratory.
- 7.9 After satisfying 7.8, a candidate must present in Dissertation Work Review I, in consultation with his Dissertation Supervisor, the title, objective and plan of action of his Dissertation work to the Dissertation Review Committee (DRC) for approval within four weeks from the commencement of Second year First Semester. Only after obtaining the approval of the DRC can the student initiate the Dissertation work.
- 7.10 If a candidate wishes to change his supervisor or topic of the Dissertation, he can do so with the approval of the DRC. However, the DRC shall examine whether or not the change of topic/supervisor leads to a major change of his initial plans of Dissertation proposal. If yes, his date of registration for the project work starts from the date of change of Supervisor or topic as the case may be.
- 7.11 A candidate shall submit his Dissertation progress report in two stages at least with a gap of three months between them.
- 7.12 The work on the Dissertation shall be initiated at the beginning of the II year and the duration of the Dissertation is two semesters. A candidate is permitted to submit Dissertation Thesis only after successful completion of all theory and practical courses with the approval of DRC not earlier than 40 weeks from the date of approval of the Dissertation work. For the approval of DRC the candidate shall submit the draft copy of thesis to the Head of the Department and make an oral presentation before the DRC.
- 7.13 The Dissertation Work Review II in II Year I Sem. carries internal marks of 100. Evaluation should be done by the DRC for 50 marks and the Supervisor will evaluate the work for the other 50 marks. The Supervisor and DRC will examine the Problem Definition, Objectives, Scope of Work, Methodology Adopted, Literature Survey in the same domain and progress of the Dissertation Work. A candidate has to secure a minimum of 50% of marks to be declared successful in Dissertation Work Review II. If he fails to obtain the minimum required marks, he has to reappear for Dissertation Work Review II as and when conducted.



7.14 The Dissertation Work Review - III in II Year II Sem. carries 100 internal marks. Evaluation should be done by the DRC for 50 marks and the Supervisor will evaluate it for the other 50 marks. The DRC will examine the overall progress of the Dissertation Work and decide whether or not the Dissertation is eligible for final submission. The evaluation shall be done as per the criteria given below:

Evaluation of Dissertation Book (Internal Evaluation):

Objective(s) of the work done

- 10 Marks

Methodology adopted

- 30 Marks

Results and Discussions

- 50 Marks

Conclusions and Outcomes

- 10 Marks

T - 4 - 1

Total - 100 Marks

A candidate has to secure a minimum of 50% of marks to be declared successful in Dissertation Work Review - III. If he fails to obtain the required minimum marks, he has to reappear for Dissertation Work Review - III as and when conducted.

7.15 For Dissertation Evaluation (Viva Voce) in II Year II Sem. there are external marks of 100 and it is evaluated by the external examiner. The evaluation shall be done as per the criteria given below:

Evaluation of Presentation (External Evaluation):

Presentation of work

- 40 Marks

Communication skills

- 20 Marks

Viva-Voce

- 40 Marks Total - 100 Marks

The candidate has to secure a minimum of 50% marks in Dissertation Evaluation (Viva-Voce) examination. If he fails to obtain the required minimum marks, he has to reappear for the same as and when conducted.

- 7.16 Dissertation Work Reviews II and III shall be conducted in phase I (Regular) and Phase II (Supplementary). Phase II will be conducted only for unsuccessful students in Phase I. The unsuccessful students in Dissertation Work Review II (Phase II) shall reappear for it at the time of Dissertation Work Review III (Phase I). These students shall reappear for Dissertation Work Review III in the next academic year at the time of Dissertation Work Review III only after completion of Dissertation Work Review II, and then Dissertation Work Review III follows. The unsuccessful students in Dissertation Work Review III (Phase II) shall reappear for Dissertation Work Review III in the next academic year only at the time of Dissertation Work Review II (Phase I).
- 7.17 After approval from the DRC, a soft copy of the thesis should be submitted for <u>ANTI-PLAGIARISM</u> check and the plagiarism report should be submitted to the University and be included in the final thesis. The Thesis will be accepted for submission, if the similarity index is less than 30%. If the similarity index has more than the required_percentage, the student is advised to modify accordingly and re-submit the soft copy of the thesis after one month. The maximum number of re-submissions of thesis after plagiarism check is limited to TWO. The candidate has to register for the Dissertation work and work for two semesters. After three attempts, the admission is liable to be cancelled. The college authorities are advised to make plagiarism check of every soft copy of theses before submissions.
- 7.18 Three copies of the Dissertation Thesis certified by the supervisor shall be submitted to the College/School/Institute, after submission of a research paper related to the Dissertation work in a UGC approved journal. A copy of the submitted research paper shall be attached to thesis.
- 7.19 The thesis shall be adjudicated by an external examiner selected by the University. For this, the



Principal of the College/School/Institute shall submit a panel of **three** examiners from among the list of experts in the relevant specialization as submitted by the supervisor concerned and Head of the Department.

- 7.20 If the report of the external examiner is unsatisfactory, the candidate shall revise and resubmit the Thesis. If the report of the examiner is unsatisfactory again, the thesis shall be summarily rejected. Subsequent actions for such dissertations may be considered, only on the specific recommendations of the external examiner and /or Dissertation Review Committee. No further correspondence in this matter will be entertained, if there is no specific recommendation for resubmission.
- 7.21 If the report of the examiner is satisfactory, the Head of the Department shall coordinate and make arrangements for the conduct of Dissertation Viva-Voce examination. The Dissertation Viva-Voce examination shall be conducted by a board consisting of the Supervisor, Head of the Department and the external examiner who adjudicated the Thesis. The candidate has to secure a minimum of 50% of marks in Dissertation Evaluation (Viva-Voce) examination.
- 7.22 If he fails to fulfill the requirements as specified in 7.21, he will reappear for the Dissertation Viva-Voce examination only after three months. In the reappeared examination also, if he fails to fulfill the requirements, he will not be eligible for the award of the degree, unless he is asked to revise and resubmit his Dissertation Work by the board within a specified time period (within four years from the date of commencement of his first year first semester).
- 7.23 The Dissertation Viva-Voce External examination marks must be submitted to the University on the day of the examination.
- 7.24 For mandatory audit courses, a student has to secure 50 marks out of 100 marks (i.e. 50% of the marks allotted) in the continuous internal evaluation for passing the subject/course. These marks should also be uploaded along with the internal marks of other subjects.
- 7.25 No marks or letter grades shall be allotted for mandatory audit courses. Only Pass/Fail shall be indicated in Grade Card.
- 8.0 Re-Admission/Re-Registration
- 8.1 Re-Admission for Discontinued Student

A student, who has discontinued the M.Pharm. degree programme due to any reason whatsoever, may be considered for 'readmission' into the same degree programme (with the same specialization) with the academic regulations of the batch into which he gets readmitted, with prior permission from the authorities concerned, subject to item 6.7.

- 8.2 If a student is detained in a subject (s) due to shortage of attendance in any semester, he may be permitted to **re-register** for the same subject(s) in the same category (core or elective group) or equivalent subject, if the same subject is not available, as suggested by the Board of Studies of that department, as and when offered in the subsequent semester(s), with the academic regulations of the batch into which he seeks re-registration, with prior permission from the authorities concerned, subject to item 3.2
- A candidate shall be given only one-time chance to re-register and attend the classes for a maximum of two subjects in a semester, if the internal marks secured by a candidate are less than 40% and failed in those subjects but fulfilled the attendance requirement. A candidate must re-register for failed subjects within four weeks of commencement of the class work and secure the required



minimum attendance. In the event of the student taking this chance, his Continuous Internal Evaluation (internal) marks and Semester End Examination marks obtained in the previous attempt stand cancelled.

9.0 Examinations and Assessment - The Grading System

- 9.1 Grades will be awarded to indicate the performance of each student in each Theory Subject, or Lab/Practicals, or Mini Project with Seminar, Dissertation, etc., based on the percentage of marks obtained in CIE + SEE (Continuous Internal Evaluation + Semester End Examination, both taken together) as specified in Item 7 above, and a corresponding Letter Grade shall be given.
- 9.2 As a measure of the student's performance, a 10-point Absolute Grading System using the following Letter Grades (PCI Guidelines) and corresponding percentage of marks shall be followed:

Letter Grade (PCI Guidelines)	Grade Points
O (Outstanding)	10
	9
	8
	7
The second secon	6
	0
Ab	0
	(PCI Guidelines) O (Outstanding) A (Excellent) B (Good) C (Fair) D (Average) F (FAIL)

- 9.3 A student obtaining 'F' Grade in any Subject is deemed to have 'failed' and is required to reappear as 'Supplementary Candidate' for the Semester End Examination (SEE), as and when conducted. In such cases, his Internal Marks (CIE Marks) in those subjects will remain as obtained earlier.
- 9.4 If a student has not appeared for the examinations, 'Ab' Grade will be allocated to him for any subject and shall be considered 'failed' and will be required to reappear as 'Supplementary Candidate' for the Semester End Examination (SEE), as and when conducted.
- 9.5 A Letter Grade does not imply any specific marks percentage; it is only the range of percentage of marks.
- 9.6 In general, a student shall not be permitted to repeat any Subject/ Course (s) only for the sake of 'Grade Improvement' or 'SGPA/ CGPA Improvement'.
- 9.7 A student earns Grade Point (GP) in each Subject/ Course, on the basis of the Letter Grade obtained by him in that Subject/ Course. The corresponding 'Credit Points' (CP) are computed by multiplying the Grade Point with Credits for that particular Subject/ Course.

Credit Points (CP) = Grade Point (GP) x Credits For a Course

- 9.8 The student passes the Subject/ Course only when he gets GP ≥ 6 (D Grade or above).
- 9.9 The Semester Grade Point Average (SGPA) is calculated by dividing the Sum of Credit Points (ΣCP) secured from ALL Subjects/ Courses registered in a Semester, by the Total Number of Credits registered during that Semester. SGPA is rounded off to TWO Decimal Places. SGPA is thus computed as

$$SGPA = \left\{ \sum_{i=1}^{N} C_{i} G_{i} \right\} / \left\{ \sum_{i=1}^{N} C_{i} \right\} \text{ For each Semester,}$$



where G_i is the Subject indicator index (taking into account all Subjects in a Semester), G_i is the no. of Subjects 'REGISTERED' for the Semester (as specifically required and listed under the Course Structure of the parent Department), G_i is the no. of Credits allotted to the G_i represents the Grade Points (GP) corresponding to the Letter Grade awarded for that G_i is Subject.

9.10 The Cumulative Grade Point Average (CGPA) is a measure of the overall cumulative performance of a student over all Semesters considered for registration. The CGPA is the ratio of the Total Credit Points secured by a student in ALL registered Courses in ALL Semesters, and the Total Number of Credits registered in ALL the Semesters. CGPA is rounded off to TWO Decimal Places. CGPA is thus computed from the I Year Second Semester onwards, at the end of each Semester, as per the formula

$$CGPA = \left\{ \sum_{j=1}^{M} C_{j} G_{j} \sum_{j=1}^{M} C_{j} \right\} ... \text{ for all S Semesters registered}$$

(ie., upto and inclusive of S Semesters, $S \ge 2$),

where 'M' is the TOTAL no. of Subjects (as specifically required and listed under the Course Structure of the parent Department) the Student has 'REGISTERED' for from the 1st Semester onwards upto and inclusive of the Semester S (obviously M > N), 'j' is the Subject indicator index (taking into account all Subjects from 1 to S Semesters), ^{C}i is the no. of Credits allotted to the jth Subject, and ^{G}i represents the Grade Points (GP) corresponding to the Letter Grade awarded for that jth Subject. After registration and completion of I Year I Semester however, the SGPA of that Semester itself may be taken as the CGPA, as there are no cumulative effects.

Illustration of calculation of SGPA

Course/Subject	Credits	Letter Grade	Grade Points	Credit Points
Course 1	4	А	9	4 x 9 = 36
Course 2	4	0	10	4 x 10 = 40
Course 3	4	С	7	$4 \times 7 = 28$
Course 4	3 .	В	8	3 x 8, = 24
Course 5	3	Α	10	3 x 10 = 30
Course 6	3	С	7	3 x 7 = 21
Course	Total Credits	184 - 1		Total Credit Points = 179

SGPA = 179/21 = 8.52

Illustration of calculation of CGPA

Course/Subject	Credits	Letter Grade	Grade Points	Credit Points
		I Year I Semester	r	
Course 1	4	А	9	4 x 9 = 36
Course 2	4	А	9	4 x 9 = 36
Course 3	4	В	8	4 x 8 = 32
Course 4	3	0	10	3 x 10 = 30
Course 5	3 ·	В	8	3 x 8 = 24



Course 6	3	D	6	3 x 6 = 18
	IY	ear II Semeste	r	
Course 7	4	В	8	4 x 8 = 32
Course 8	4	0	10	4 x 10 = 40
Course 9	4	А	9	4 x 9 = 36
Course 10	3	D	6	$3 \times 6 = 18$
Course 11	3	С	7	$3 \times 7 = 21$
Course 12	3 .	А	9	3 x 9 = 27
	Total Credits = 42			Total Credit Points = 350

CGPA = 350/42 = 8.33

10.0 Award of Degree and Class

10.1 If a student who registers for all the specified Subjects/ Courses as listed in the Course Structure, satisfies all the Course Requirements, and passes the examinations prescribed in the entire PG Programme (PGP), and secures the required number of 98 Credits (with CGPA ≥ 6.0), shall be declared to have 'QUALIFIED' for the award of the M.Pharm. Degree in the chosen specialization of Pharmacy that he was admitted into.

10.2 Award of Class

After a student has earned the requirements prescribed for the completion of the programme and is eligible for the award of M.Pharm. Degree, he shall be placed in one of the following three classes based on the CGPA:

Class Awarded	CGPA
First Class with Distinction	≥ 7.50
First Class	6.00 ≤ CGPA < 7.49
Second Class	5.00 ≤ CGPA < 5.99

A student with final CGPA (at the end of the PGP) < 6.00 shall not be eligible for the Award of Degree.

11.0 Withholding of Results

If the student has not paid the dues, if any, to the University or if any case of indiscipline is pending against him, the result and degree of the student will be withheld and he will not be allowed into the next semester.

12.0 General

- 12.1 Credit: A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.
- 12.2 Credit Point: It is the product of grade point and number of credits for a course.
- 12.3 Wherever the words "he", "him", "his", occur in the regulations, they shall include "she", "her".



- 12.4 The academic regulation should be read as a whole for the purpose of any interpretation.
- 12.5 In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the University is final.
- 12.6 The University may change or amend the academic regulations or syllabi at any time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the University.



MALPRACTICES RULES

DISCIPLINARY ACTION FOR IMPROPER CONDUCT IN EXAMINATIONS

S.No	Nature of Malpractices/Improper conduct	Punishment
	If the candidate:	1
1.(a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the	Expulsion from the examination hall and cancellation of the performance in that subject only.
7	subject to the examination (theory or practical) in which he is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the subject of the examination).	
(b)	Gives assistance or guidance or receives it from any other candidate orally or by any other body language methods or communicates through cell phones with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that subject only of all the candidates involved. Incase of an outsider, he will be handed over to the police and a case is registered against him.
2.	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject to the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that Semester/year. The Hall Ticket of the candidate is to be cancelled and sent to the University.
3.	Impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and forfeits the seat. The performance of the original candidate, who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered
4.	Smuggles in the Answer book or additional sheet or takes out or arranges to send out the	



	question paper during the examination or answer book or additional sheet, during or after the examination.	all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
5.	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that subject.
6.	Refuses to obey the orders of the Chief Superintendent/Assistant — Superintendent/ any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer-in- charge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the College campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the	
7.	examination. Leaves the exam hall taking away answer script or intentionally tears of the script or any par there of inside or outside the examination hall.	cancellation of performance in that subject and
8.	Possess any lethal weapon or firearm in the examination hall.	



9.	If student of the college, who is not a candidate for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat. Student of the colleges expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat. Person(s) who do not belong to the College will be handed over to police and, a police case will be registered against them.
10.	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year.
11.	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that subject and all other subjects the candidate has appeared including practical examinations and project work of that semester/year examinations.
12.	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the University for further action to award suitable punishment.	

Malpractices identified by squad or special invigilators

- Punishments to the candidates as per the above guidelines.
- 2. Punishment for institutions: (if the squad reports that the college is also involved in encouraging malpractices)
 - (i) A show cause notice shall be issued to the college.
 - (ii) Impose a suitable fine on the college.
 - (iii) Shifting the examination centre from the college to another college for a specific period of not less than one year



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD (Established by Act No.30 of 2008) Kukatpally, Hyderabad–500085, Telangana State (India)

Academic Regulations of M.Pharm. (Regular/Full Time) Programmes, 2019-20 (R19) (CBCS)

(Effective for the students admitted into I year from the Academic Year 2019-20 and onwards)

- 1.0 Post-Graduate Degree Programmes in Pharmacy (PGP in Pharmacy) Jawaharlal Nehru Technological University Hyderabad (JNTUH) offers Two Years (Four Semesters) full-time Master of Pharmacy (M.Pharm.) Degree programmes, under Choice Based Credit System (CBCS) at its constituent (non-autonomous) and affiliated colleges in different specializations.
- 2.0 Eligibility for Admissions
- 2.1 Admission to the PGPs shall be made subject to eligibility, qualification and specializations prescribed by the University from time to time, for each specialization under each M.Pharm. programme.
- Admission to the post graduate programme shall be made on the basis of either the merit rank or Percentile obtained by the qualified student in the relevant qualifying GPAT Examination/ the merit rank obtained by the qualified student in an entrance test conducted by Telangana State Government (PGECET) for M.Pharm. programmes / an entrance test conducted by JNTUH/ on the basis of any other exams approved by the University, subject to reservations as laid down by the Govt. from time to time.
- 2.3 The medium of instructions for all PG Programmes will be ENGLISH only.
- 3.0 M.Pharm. Programme (PGP in Pharmacy) Structure
- 3.1 The M.Pharm. Programmes in Pharmacy of JNTUH are of Semester pattern, with Four Semesters consisting of Two academic years, each academic year having Two Semesters (First/Odd and Second/Even Semesters). Each Semester shall be of 22 weeks duration (inclusive of Examinations), with a minimum of 90 instructional days per Semester.
- 3.2 The student shall not take more than four academic years to fulfill all the academic requirements for the award of M.Pharm. degree from the date of commencement of first year first semester, failing which the student shall forfeit the seat in M.Pharm. programme.
- 3.3 UGC/AICTE specified definitions/descriptions are adopted appropriately for various terms and abbreviations used in these PG academic regulations, as listed below:

3.3.1 Semester Scheme

Each Semester shall have 'Continuous Internal Evaluation (CIE)' and 'Semester End Examination (SEE)'. Choice Based Credit System (CBCS) and Credit Based Semester System (CBSS) are taken as 'references' for the present set of Regulations. The terms 'SUBJECT' and 'COURSE' imply the same meaning here and refer to 'Theory Subject', or 'Lab Course', or 'Design/Drawing Subject', or 'Mini Project with Seminar', or 'Dissertation', as the case may be:

3.3.2 Credit Courses

All subjects/courses are to be registered by the student in a semester to earn credits which shall be assigned to each subject/course in an L: T: P: C (Lecture Periods: Tutorial Periods: Practical Periods: Credits) structure based on the following general pattern:



- One credit for one hour/week/semester for theory/lecture (L) courses
- One credit for two hours/ week/semester for laboratory/ practical (P) courses or tutorials (T)

Other student activities like study tour, guest lecture, conference/workshop participations, technical paper presentations and mandatory courses (*Audit Courses*) will not carry any credits.

3.3.3 Subject Course Classification

All subjects/courses offered for the Post-Graduate Programme in Pharmacy (M.Pharm. Degree Programme) are broadly classified as follows. The University has followed in general the guidelines issued by AICTE/UGC.

S.No.	Broad Course Classification	Course Group/ Category	Course Description
1	Core Courses (C-C)	PC- Professional Core	Includes subjects related to the Specialization in Pharmacy
	Core Courses (CoC)	Dissertation Mini Project with	M.Pharm. Project or PG Project or Major Project
		Seminar	Seminar based on core contents related to the Specialization in Pharmacy
2	Elective Courses	PE - Professional Electives	Includes elective subjects related to the Specialization in Pharmacy
-	(EIE)	OE - Open Electives	Elective subjects which include inter-disciplinary subjects or subjects in an area outside the Specialization in Pharmacy
3	Mandatory Courses		Non-Credit Audit Courses

4.0 Course Registration

- 4.1 A 'Faculty Advisor or Counselor' shall be assigned to each specialization, who will advise on the Post Graduate Programme (PGP), its Course Structure and Curriculum, Choice/Option for Subjects/Courses, based on his competence, progress, pre-requisites and interest.
- The Academic Section of the College invites 'Registration Forms' from students within 15 days from the commencement of class work through 'ON-LINE SUBMISSIONS', ensuring 'DATE and TIME Stamping'. The ON-LINE Registration Requests for any 'CURRENT SEMESTER' shall be completed BEFORE the commencement of SEEs (Semester End Examinations) of the 'PRECEDING SEMESTER'.
- 4.3 A Student can apply for ON-LINE Registration, ONLY AFTER obtaining the 'WRITTEN APPROVAL' from his Faculty Advisor, which should be submitted to the College Academic Section through the Head of Department (a copy of it being retained with Head of Department, Faculty Advisor and the Student).
- 4.4 If the Student submits ambiguous choices or multiple options or erroneous entries during ON-LINE Registration for the Subject(s) / Course(s) under a given/ specified Course Group/ Category as listed in the Course Structure, only the first mentioned Subject/ Course in that Category will be taken into consideration.
- Subject/ Course Options exercised through ON-LINE Registration are final and CANNOT be changed, nor can they be inter-changed; further, alternate choices also will not be considered. However, if the Subject/ Course that has already been listed for Registration by the University in a Semester could not be offered due to unforeseen or unexpected reasons, then the Student will be allowed to have alternate



choice either for a new Subject, if it is offered, or for another existing Subject (subject to availability of seats). Such alternate arrangements will be made by the Head of Department, with due notification and time-framed schedule, within the FIRST WEEK from the commencement of Class-work for that Semester.

5.0 Attendance Requirements

The programmes are offered based on a unit system with each subject being considered a unit. Attendance is calculated separately for each subject.

- 5.1 Attendance in all classes (Lectures/Laboratories) is compulsory. The minimum required attendance in each theory subject (also mandatory(audit) courses) including the attendance of mid-term examination / Laboratory etc. is 75%. Two periods of attendance for each theory subject shall be considered, if the student appears for the mid-term examination of that subject. This attendance should also be included in the fortnightly upload of attendance to the University. The attendance of mandatory(audit) courses should be uploaded separately to the University. A student shall not be permitted to appear for the Semester End Examinations (SEE), if his attendance is less than 75%.
- 5.2 A student's Seminar report and presentation on Mini Project shall be eligible for evaluation, only if he ensures a minimum of 75% of his attendance in Seminar presentation classes on Mini Project during that Semester.
- 5.3 Condoning of shortage of attendance (between 65% and 75%) up to a maximum of 10% (considering the days of attendance in sports, games, NCC, NSS activities and Medical grounds) in each subject (Theory/Lab/Mini Project with Seminar) of a semester shall be granted by the College Academic Committee on genuine reasons.
- A prescribed fee per subject shall be payable for condoning shortage of attendance after getting the approval of College Academic Committee for the same. The College Academic Committee shall maintain relevant documents along with the request from the student.
- 5.5 Shortage of Attendance below 65% in any subject shall in **no case be condoned**.
- A Student, whose shortage of attendance is not condoned in any Subject(s) (Theory/Lab/Mini Project with Seminar) in any Semester, is considered as 'Detained in that Subject(s), and is not eligible to write Semester End Examination(s) of such Subject(s), (in case of Mini Project with Seminar, his/her Mini Project with Seminar Report or Presentation are not eligible for evaluation) in that Semester; and he/she has to seek re-registration for those Subject(s) in subsequent Semesters, and attend the same as and when offered.
- 5.7 A student fulfills the attendance requirement in the present semester, shall not be eligible for readmission into the same class.
- 5.8 a) A student shall put in a minimum required attendance in at least three theory subjects (excluding mandatory(audit) course) in first Year I semester for promotion to first Year If Semester.
 - b) A student shall put in a minimum required attendance in at least three theory subjects (excluding mandatory(audit) course) in first Year II semester for promotion to second Year I Semester.

6.0 Academic Requirements

The following academic requirements must be satisfied, in addition to the attendance requirements mentioned in item no. 5. The performance of the candidate in each semester shall be evaluated subject-



wise, with a maximum of 100 marks per subject / course (theory / practical), based on Internal Evaluation and Semester End Examination.

- A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each subject/course, if he secures not less than 40% of marks (30 out of 75 marks) in the End Semester Examination, and a minimum of 50% of marks in the sum total of CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together; in terms of Letter Grades and this implies securing 'B' Grade or above in a subject.
- A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to Mini Project with seminar, if student secures not less than 50% marks (i.e. 50 out of 100 allotted marks). The student would be treated as failed, if student (i) does not submit a seminar report on Mini Project or does not make a presentation of the same before the evaluation committee as per schedule or (ii) secures less than 50% marks in Mini Project with seminar evaluation. The failed student shall reappear for the above evaluation when the notification for supplementary examination is issued.
- A student shall register for all subjects for total of 68 credits as specified and listed in the course structure for the chosen specialization, put in required the attendance and fulfill the academic requirements for securing 68 credits obtaining a minimum of 'B' Grade or above in each subject, and all 68 credits securing Semester Grade Point Average (SGPA) ≥6.0 (in each semester) and final Cumulative Grade Point Average (CGPA) (i.e., CGPA at the end of PGP) ≥ 6.0, and shall pass all the mandatory(audit) courses to complete the PGP successfully.
- Note: (1) The SGPA will be computed and printed on the marks memo only if the candidate passes in all the subjects offered and gets minimum B grade in all the subjects.
 - (2) CGPA is calculated only when the candidate passes in all the subjects offered in all the semesters
- 6.4 Marks and Letter Grades obtained in all those subjects covering the above specified 68 credits alone shall be considered for the calculation of final CGPA, which will be indicated in the Grade Card /Marks Memo of second year second semester.
- 6.5 If a student registers for extra subject(s) (in the parent specialization or other specializations of Pharmacy) other than those listed subjects totaling to 68 credits as specified in the course structure, the performance in extra subject(s) (although evaluated and graded using the same procedure as that of the required 68 credits) will not be considered while calculating the SGPA and CGPA. For such extra subject(s) registered, percentage of marks and Letter Grade alone will be indicated in the Grade Card/Marks Memo, as a performance measure, subject to completion of the attendance and academic requirements as stated in items 5 and 6.1 6.3.
- When a student is detained due to shortage of attendance in any subject(s) in any semester, no Grade allotment will be made for such subject(s). However, he is eligible for re-registration of such subject(s) in the subsequent semester(s), as and when next offered, with the academic regulations of the batch into which he is re-registered, by paying the prescribed fees per subject. In all these re-registration cases, the student shall have to secure a fresh set of internal marks and Semester End Examination marks for performance evaluation in such subject(s), and SGPA/CGPA calculations.
- 6.7 A student eligible to appear for the Semester End Examination in any subject, but absent from it or failed (failing to secure 'B' Grade or above), may reappear for that subject at the supplementary examination as and when conducted. In such cases, his Internal Marks assessed earlier for that subject will be carried over, and added to the marks secured in the supplementary examination, for



the purpose of evaluating his performance in that subject.

- 6. 8 A Student who fails to earn 68 credits as per the specified course structure, and as indicated above, within four academic years from the date of commencement of his first year first semester, shall forfeit his seat in M.Pharm. programme and his admission shall stand cancelled.
- 7.0 Evaluation Distribution and Weightage of Marks

The performance of a student in each semester shall be evaluated subject- wise (irrespective of credits assigned) for a maximum of 100 marks.

- For the theory subjects 75 marks shall be awarded for the performance in the Semester End Examination and 25 marks shall be awarded for Continuous Internal Evaluation (CIE). The Continuous Internal Evaluation shall be made based on the average of the marks secured in the two Mid-Term Examinations conducted, first Mid-Term examinations in the middle of the Semester and second Mid-Term examinations during the last week of instruction. Each Mid-Term Examination shall be conducted for a total duration of 120 minutes with Part 'A' as compulsory consisting of 5 questions carrying 2 marks each (10 marks), and Part 'B' with 3 questions to be answered out of 5 questions, each question carrying 5 marks (15 marks). The details of the Question Paper pattern for Semester End Examination (Theory) are given below:
 - The Semester End Examination will be conducted for 75 marks. It consists of two parts.
 i) Part A for 25 marks, ii) Part B for 50 marks.
 - Part A is compulsory and consists of 5 questions, one from each unit and carrying 5 marks each.
 - Part B consists of 5 questions carrying 10 marks each. There will be two questions from each unit and only one should be answered.
- 7.2 For practical subjects, 75 marks shall be awarded for performance in the Semester End Examinations and 25 marks shall be awarded for day-to-day performance as Internal Marks.
- 7.3 For conducting laboratory end examinations of all PG Programmes, one internal examiner and one external examiner are to be appointed by the Principal of the College and this is to be informed to the Director of Evaluation within two weeks, before commencement of the lab end examinations. The external examiner should be selected from outside the College concerned but within the cluster. No external examiner should be appointed from any other College in the same cluster/any other cluster which is run by the same Management.
- There shall be Mini Project with Seminar during I year II semester for internal evaluation of 100 marks. The Departmental Academic Committee (DAC) will review the progress of the mini project during the seminar presentations and evaluate the same for 50 marks. Mini Project Viva Voce will be evaluated by the DAC for another 50 marks before the semester end examinations. Student shall carryout the mini project in consultation with the mini project supervisor which may include critically reviewing the literature, project implementation and submit it to the department in the form of a report and shall make an oral presentation before the DAC consisting of Head of the Department, Mini Project supervisor and two other senior faculty members of the department. The student has to secure a minimum of 50% of marks in i) seminar presentation and ii) mini project viva voce, to be declared successful. If he fails to obtain the minimum marks, he has to reappear for the same as and when scheduled.
- 7.5 Every candidate shall be required to submit a dissertation on a topic approved by the Dissertation Review Committee.
- 7.6 A Dissertation Review Committee (DRC) shall be constituted with the Head of the Department as



- Chairperson, Dissertation Supervisor and one senior faculty member of the Department offering the M.Pharm. programme.
- 7.7 Registration of Dissertation Work: A candidate is permitted to register for the Dissertation Work after satisfying the attendance requirement in all the subjects, both theory and laboratory.
- After satisfying 7.7, a candidate must present in Dissertation Work Review I, in consultation with his Dissertation Supervisor, the title, objective and plan of action of his Dissertation work to the Dissertation Review Committee (DRC) for approval within four weeks from the commencement of Second year First Semester. Only after obtaining the approval of the DRC can the student initiate the Dissertation work.
- 7.9 If a candidate wishes to change his supervisor or topic of the Dissertation, he can do so with the approval of the DRC. However, the DRC shall examine whether or not the change of topic/supervisor leads to a major change of his initial plans of Dissertation proposal. If yes, his date of registration for the project work starts from the date of change of Supervisor or topic as the case may be.
- 7.10 A candidate shall submit his Dissertation progress report in two stages at least with a gap of three months between them.
- 7.11 The work on the Dissertation shall be initiated at the beginning of the II year and the duration of the Dissertation is two semesters. A candidate is permitted to submit Dissertation Thesis only after successful completion of all theory and practical courses with the approval of DRC not earlier than 40 weeks from the date of approval of the Dissertation work. For the approval of DRC the candidate shall submit the draft copy of thesis to the Head of the Department and make an oral presentation before the DRC.
- 7.12 The Dissertation Work Review II in II Year I Sem. carries internal marks of 100. Evaluation should be done by the DRC for 50 marks and the Supervisor will evaluate the work for the other 50 marks. The Supervisor and DRC will examine the Problem Definition, Objectives, Scope of Work, Literature Survey in the same domain and progress of the Dissertation Work. A candidate has to secure a minimum of 50% of marks to be declared successful in Dissertation Work Review II. If he fails to obtain the minimum required marks, he has to reappear for Dissertation Work Review II as and when conducted.
- 7.13 The Dissertation Work Review III in II Year II Sem. carries 100 internal marks. Evaluation should be done by the DRC for 50 marks and the Supervisor will evaluate it for the other 50 marks. The DRC will examine the overall progress of the Dissertation Work and decide whether or not the Dissertation is eligible for final submission. A candidate has to secure a minimum of 50% of marks to be declared successful in Dissertation Work Review III. If he fails to obtain the required minimum marks, he has to reappear for Dissertation Work Review III as and when conducted. For Dissertation Evaluation (Viva Voce) in II Year II Sem. there are external marks of 100 and it is evaluated by the external examiner. The candidate has to secure a minimum of 50% marks in Dissertation Evaluation (Viva-Voce) examination.
- 7.14 Dissertation Work Reviews II and III shall be conducted in phase I (Regular) and Phase II (Supplementary). Phase II will be conducted only for unsuccessful students in Phase I. The unsuccessful students in Dissertation Work Review II (Phase II) shall reappear for it at the time of Dissertation Work Review III (Phase I). These students shall reappear for Dissertation Work Review III in the next academic year at the time of Dissertation Work Review II only after completion of Dissertation Work Review II, and then Dissertation Work Review III follows. The unsuccessful students in Dissertation Work Review III (Phase II) shall reappear for Dissertation Work Review III in the next academic year only at the time of Dissertation Work Review II (Phase II).



- After approval from the DRC, a soft copy of the thesis should be submitted for <u>ANTI-PLAGIARISM</u> check and the plagiarism report should be submitted to the University and be included in the final thesis. The Thesis will be accepted for submission, if the similarity index is less than 30%. If the similarity index has more than the required_percentage, the student is advised to modify accordingly and re-submit the soft copy of the thesis after one month. The maximum number of re-submissions of thesis after plagiarism check is limited to TWO. The candidate has to register for the Dissertation work and work for two semesters. After three attempts, the admission is liable to be cancelled. The college authorities are advised to make plagiarism check of every soft copy of theses before submissions.
- 7.16 Three copies of the Dissertation Thesis certified by the supervisor shall be submitted to the College/School/Institute, after submission of a research paper related to the Dissertation work in a UGC approved journal. A copy of the submitted research paper shall be attached to thesis.
- 7.17 The thesis shall be adjudicated by an external examiner selected by the University. For this, the Principal of the College/School/Institute shall submit a panel of three examiners from among the list of experts in the relevant specialization as submitted by the supervisor concerned and Head of the Department.
- 7.18 If the report of the external examiner is unsatisfactory, the candidate shall revise and resubmit the Thesis. If the report of the examiner is unsatisfactory again, the thesis shall be summarily rejected. Subsequent actions for such dissertations may be considered, only on the specific recommendations of the external examiner and /or Dissertation Review Committee. No further correspondence in this matter will be entertained, if there is no specific recommendation for resubmission.
- 7.19 If the report of the examiner is satisfactory, the Head of the Department shall coordinate and make arrangements for the conduct of Dissertation Viva-Voce examination. The Dissertation Viva-Voce examination shall be conducted by a board consisting of the Supervisor, Head of the Department and the external examiner who adjudicated the Thesis. The candidate has to secure a minimum of 50% of marks in Dissertation Evaluation (Viva-Voce) examination.
- 7.20 If he fails to fulfill the requirements as specified in 7.19, he will reappear for the Dissertation Viva-Voce examination only after three months. In the reappeared examination also, if he fails to fulfill the requirements, he will not be eligible for the award of the degree, unless he is asked to revise and resubmit his Dissertation Work by the board within a specified time period (within **four** years from the date of commencement of his first year first semester).
- 7.21 The Dissertation Viva-Voce External examination marks must be submitted to the University on the day of the examination.
- 7.22 For mandatory(audit) courses, a student has to secure 40 marks out of 100 marks (i.e. 40% of the marks allotted) in the continuous internal evaluation for passing the subject/course. These marks should also be uploaded along with the internal marks of other subjects.
- 7.23 No marks or letter grades shall be allotted for mandatory(audit) courses. Only Pass/Fail shall be indicated in Grade Card.
- 8.0 Re-Admission/Re-Registration
- 8.1 Re-Admission for Discontinued Student

A student, who has discontinued the M.Pham. degree programme due to any reason whatsoever, may be considered for 'readmission' into the same degree programme (with the same specialization) with the academic regulations of the batch into which he gets readmitted, with prior permission from the authorities concerned, subject to item 6.6.



- 8.2 If a student is detained in a subject (s) due to shortage of attendance in any semester, he may be permitted to re-register for the same subject(s) in the same category (core or elective group) or equivalent subject, if the same subject is not available, as suggested by the Board of Studies of that department, as and when offered in the subsequent semester(s), with the academic regulations of the batch into which he seeks re-registration, with prior permission from the authorities concerned, subject to item 3.2
- A candidate shall be given one chance to re-register and attend the classes for a maximum of two subjects, if the internal marks secured by a candidate are less than 50% and failed in those subjects but fulfilled the attendance requirement. A candidate must re-register for failed subjects within four weeks of commencement of the class work and secure the required minimum attendance. In the event of the student taking this chance, his Continuous Internal Evaluation (internal) marks and Semester End Examination marks obtained in the previous attempt stand cancelled.

9.0 Examinations and Assessment - The Grading System

- 9.1 Grades will be awarded to indicate the performance of each student in each Theory Subject, or Lab/Practicals, or Mini Project with Seminar, Dissertation, etc., based on the percentage of marks obtained in CIE + SEE (Continuous Internal Evaluation + Semester End Examination, both taken together) as specified in Item 7 above, and a corresponding Letter Grade shall be given.
- 9.2 As a measure of the student's performance, a 10-point Absolute Grading System using the following Letter Grades (UGC Guidelines) and corresponding percentage of marks shall be followed:

% of Marks Secured in a subject/Course (Class Intervals)	Letter Grade (UGC Guidelines)	Grade Points
90% and above (≥ 90%, ≤ 100%)	O (Outstanding)	10
Below 90% but not less than 80% (≥80%, <90%)	A ⁺ (Excellent)	9
Below 80% but not less than 70% (≥70%, <80%)	A (Very Good)	8
Below 70% but not less than 60% (≥60%, <70%)	B ⁺ (Good)	7
Below 60% but not less than 50% (≥ 50%, <60%)	B (above Average)	6
Below 50% (< 50%)	F (FAIL)	0
Absent	Ab	0

- 9.3 A student obtaining F Grade in any Subject is deemed to have 'failed' and is required to reappear as 'Supplementary Candidate' for the Semester End Examination (SEE), as and when conducted. In such cases, his Internal Marks (CIE Marks) in those subjects will remain as obtained earlier.
- 9.4 If a student has not appeared for the examinations, 'Ab' Grade will be allocated to him for any subject and shall be considered 'failed' and will be required to reappear as 'Supplementary Candidate' for the Semester End Examination (SEE), as and when conducted.
- **9.5** A Letter Grade does not imply any specific marks percentage; it is only the range of percentage of marks.
- 9.6 In general, a student shall not be permitted to repeat any Subject/ Course (s) only for the sake of 'Grade Improvement' or 'SGPA/ CGPA Improvement'.



9.7 A student earns Grade Point (GP) in each Subject/ Course, on the basis of the Letter Grade obtained by him in that Subject/ Course. The corresponding 'Credit Points' (CP) are computed by multiplying the Grade Point with Credits for that particular Subject/ Course.

Credit Points (CP) = Grade Point (GP) x Credits For a Course

- 9.8 The student passes the Subject/ Course only when he gets GP ≥6 (B Grade or above).
- 9.9 The Semester Grade Point Average (SGPA) is calculated by dividing the Sum of Credit Points (ΣCP) secured from ALL Subjects/ Courses registered in a Semester, by the Total Number of Credits registered during that Semester. SGPA is rounded off to TWO Decimal Places. SGPA is thus computed as

$$\label{eq:SGPA} \mathsf{SGPA} = \{\sum_{i=1}^{N} \mathsf{C}_i \, \mathsf{G}_i \ \} / \{\sum_{i=1}^{N} \mathsf{C}_i \ \} \dots... \, \mathsf{For each Semester},$$

where 'i' is the Subject indicator index (taking into account all Subjects in a Semester), 'N' is the no. of Subjects 'REGISTERED' for the Semester (as specifically required and listed under the Course Structure of the parent Department), C_i is the no. of Credits allotted to the ith Subject, and G_i represents the Grade Points (GP) corresponding to the Letter Grade awarded for that ith Subject.

9.10 The Cumulative Grade Point Average (CGPA) is a measure of the overall cumulative performance of a student over all Semesters considered for registration. The CGPA is the ratio of the Total Credit Points secured by a student in ALL registered Courses in ALL Semesters, and the Total Number of Credits registered in ALL the Semesters. CGPA is rounded off to TWO Decimal Places. CGPA is thus computed from the I Year Second Semester onwards, at the end of each Semester, as per the formula

$$CGPA = \left\{ \sum_{j=1}^{M} C_{j} G_{j} \sum_{j=1}^{M} C_{j} \right\} ... \text{ for all S Semesters registered}$$

(ie., upto and inclusive of S Semesters, $S \ge 2$),

where 'M' is the TOTAL no. of Subjects (as specifically required and listed under the Course Structure of the parent Department) the Student has 'REGISTERED' for from the 1st Semester onwards upto and inclusive of the Semester S (obviously M > N), 'j' is the Subject indicator index (taking into account all Subjects from 1 to S Semesters), C_1 is the no. of Credits allotted to the jth Subject, and G_1 represents the Grade Points (GP) corresponding to the Letter Grade awarded for that jth Subject. After registration and completion of I Year I Semester however, the SGPA of that Semester itself may be taken as the CGPA, as there are no cumulative effects.

Illustration of calculation of SGPA

Course/Subject	Credits	Letter Grade	Grade points	Credit Points
Course 1	4	Α	8	4*8 = 32
Course 2	4	0	10	4*10 = 40
Course 3	4	В	6	4*6 = 24
Course 4	3	В	6	3*6 = 18
Course 5	3	A+	9	3*9 = 27
Course 6	3	В	6	3*6 = 18
	21			159



SGPA = 159/21 = 7.57

Illustration of calculation of CGPA

Semester	Credits	SGPA	Credits * SGPA
Semester I	24	7	24*7 = 168
Semester II	24	6	24*6 = 144
Semester III	24	6.5	24*6.5 = 156
Semester IV	24	6	24*6 = 144
	96		612

CGPA = 612/96 = 6.37

10.0 Award of Degree and Class

10.1 If a student who registers for all the specified Subjects/ Courses as listed in the Course Structure, satisfies all the Course Requirements, and passes the examinations prescribed in the entire PG Programme (PGP), and secures the required number of 68 Credits (with CGPA ≥6.0), shall be declared to have 'QUALIFIED' for the award of the M.Pharm. Degree in the chosen specialization of Pharmacy that he was admitted into.

10.2 Award of Class

After a student has earned the requirements prescribed for the completion of the programme and is eligible for the award of M.Pharm. Degree, he shall be placed in one of the following three classes based on the CGPA:

Class Awarded	CGPA
First Class with Distinction	≥ 7.75
First Class	6.75≤ CGPA < 7.75
Second Class	6.00≤ CGPA < 6.75

A student with final CGPA (at the end of the PGP) < 6.00 shall not be eligible for the Award of Degree.

11.0 Withholding of Results

If the student has not paid the dues, if any, to the University or if any case of indiscipline is pending against him, the result and degree of the student will be withheld and he will not be allowed into the next semester.

12.0 General

- 12.1 Credit: A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.
- 12.2 Credit Point: It is the product of grade point and number of credits for a course.
- 12.3 Wherever the words "he", "him", "his", occur in the regulations, they shall include "she", "her".
- 12.4 The academic regulation should be read as a whole for the purpose of any interpretation.



- 12.5 In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the University is final.
- 12.6 The University may change or amend the academic regulations or syllabi at any time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the University.



MALPRACTICES RULES

DISCIPLINARY ACTION FOR IMPROPER CONDUCT IN EXAMINATIONS

S.No	Nature of Malpractices/Improper conduct	Punishment				
	If the candidate:					
1.(a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the subject to the examination (theory or	Expulsion from the examination hall and cancellation of the performance in that subject only.				
<u>e)</u>	practical) in which he is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the subject of the examination).					
(b)	Gives assistance or guidance or receives it from any other candidate orally or by any other body language methods or communicates through cell phones with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that subject only of all the candidates involved. Incase of an outsider, he will be handed over to the police and a case is registered against him.				
2.	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject to the examination	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and				
	(theory or practical) in which the candidate is appearing.	project work and shall not be permitted to appear for the remaining examinations of the subjects of that Semester/year. The Hall Ticket of the candidate is to be cancelled and sent to the University.				
.3.	Impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and forfeits the seat. The performance of the original candidate, who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by				
		the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him.				
4.	Smuggles in the Answer book or additional sheet or takes out or arranges to send out the question paper during the examination or	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already				



.5.	answer book or additional sheet, during or after the examination.	appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that subject.
6.	Refuses to obey the orders of the Chief Superintendent/Assistant — Superintendent/ any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer-in-charge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the College campus or engages in any other act which in the opinion of the officer on duty amounts to	Incase of students of the college, they shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The candidates also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.
	use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.	
7.	Leaves the exam hall taking away answer script or intentionally tears of the script or any par there of inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work
2		and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
8.	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the



		remaining examinations of the subjects of that
		semester/year. The candidate is also debarred
		and forfeits the seat.
9.	If student of the college, who is not a candidate for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	Student of the colleges expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat. Person(s) who do not
		belong to the College will be handed over to police and, a police case will be registered against them.
10.	Comes in a drunken condition to the	Expulsion from the examination hall and
	examination hall.	cancellation of the performance in that subject
		and all other subjects the candidate has already
		appeared including practical examinations and
		project work and shall not be permitted for the
		remaining examinations of the subjects of that semester/year.
11.	Copying detected on the basis of internal	Cancellation of the performance in that subject
	evidence, such as, during valuation or during special scrutiny.	and all other subjects the candidate has appeared including practical examinations and project work of that semester/year examinations.
12.	If any malpractice is detected which is not	
	covered in the above clauses 1 to 11 shall be	
	reported to the University for further action to	•
	award suitable punishment.	

Malpractices identified by squad or special invigilators

- 1. Punishments to the candidates as per the above guidelines.
- 2. Punishment for institutions: (if the squad reports that the college is also involved in encouraging malpractices)
 - (i) A show cause notice shall be issued to the college.
 - (ii) Impose a suitable fine on the college.
 - (iii) Shifting the examination centre from the college to another college for a specific period of not less than one year











DEPARTMENT OF PHARMACY B. PHARMACY SEMESTER-I FACULTY WORK LOAD ACADEMIC YEAR-2022-2023

S.No	Name of the faculty	Subjects	Class	No of periods	Total Workload	signature
1	K. USHA	IMA	IV-A,B	16	20	usha. K
		COS	III B	4		
2	G.SWAPNA RANI	POC-II	II A,B	16	20	G Sugs
		MC-II	III A	4		~ V \
3	S. MAHENDER	P.COL-II	III-A,B	16	20	Sup
		P.P	IV-B	4		017
4	V.BALASUBRAMANYAM	IP-II	IV-A,B	8	20	Balu
		PE	IIA,B	12		Doc
5	R. ASHOK KUMAR	PP-I	II-A,B	16	16	Rashot
6	N. SARITHA	NDDS	IV-A	4	20	1 land
		IP-I	III-A,B	16		W. Or
7	B. SOUJANYA	P.COG&P HYTO	III-A,B	16	20	B Souga
		PP-1	II-B	4		Da
8	K. DILEEP KUMAR	NDDS	IV-A	4	20	6
		P.CEU	I-A,B	16		300
9	M. UMARANI	PIC	I-A,B	16	20	magari
		IPI	III-A	4		Olype.
10	P. NAGARAJU	HAP	I-A,B	16	20	Umagari P. Nagarji
		P.COL-II	III-B	4		7. 14. 1 3
11	ASHOKACHAKRAVARTHI	P.PRACTI CE	IV-A	4	20	A A
		P.MICRO	II-A,B	16		CON !
12	S. KOTI REDDY	IT	IV-A,B	8	20	W
		PIC	I-A,B	12		(NY
13	V.GANESH	ES	III-A,B	2	18	1 Sargh
		IMA	IV-A,B	16		V
14	B.SURESH KUMAR	P.A	I-A,B	16	16	Beting
15	A. ANIL KUMAR	QC &SH	IV-A,B	8	16	San 1
		MC-II	III-B	8		

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16	K.SANDHYA	cos	III-A,B	8	20	100 dec
		NDDS	IV-A,B	8		A Sarah
		P.E	II-A	4		
17	A. SHRUTHI	P.COL-II	III-A,B	16	20	(Soft June
		HAP	I-B	4		Waster.
18	K.VIMALA	RM	I-A,B	6	16	O ala
		RM	PD-1	7		K: Vinley
		BSRM	PD-IV	3		10 02
19	LAXMI KANTHARAO	CS	I-A,B	8	10	BUNE
		ES	III-A,B	2		ISC.
20	V. KAVITHA	P.A	I-A,B	16	20	W 2007
		P.COG& PHYTO	III-B	4		100
21	K.SHAILAJA	IMA	IV-A,B	16	16	K& aulas
22	D.BALU	P.CEU	I-A,B	16	20	16Me
		PE	II-I A	4		1430
23	N.SAROJA	P COG & PHYTO	III-A,B	16	20	To the second
		P.PRAC	IV-B	4		(38)
24	S. SWATHI	POC-II	II-A,B	16	20	3500000
		MC-II	III-A	4		3800
25	K. MADHURI	HAP	I-A,B	16	16	Smallwerk

M.R. Kinh



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PHARMACEUTICAL SCIENCES

Gunthapally (V), Abdullapurmet (M).

R.R. Dist. Telangana.









DEPARTMENT OF PHARMACY B. PHARMACY SEMESTER-II FACULTY WORK LOAD ACADEMIC YEAR-2022-2023

S.No	Name of the faculty	Subjects	Class	No of periods	Total Workload	signature
1	K. USHA	BIOTECH	III- A,B	8	20	usha.k.
		POC-III	IIA,B	8		
			11-11	4		
2	G.SWAPNA RANI	POC-I	I A,B	16	20	a guar
		POC-III	II A	4		
3	S. MAHENDER	PATHO	I-A,B	16	20	1/
	¥	E.COL	IV- A,B	4		Jan /
4	V.BALASUBRAMANYAM	SPP	IV-	8	16	11
			A,B			0.0
		ВРРК	III- A,B	8		1.0
5	R. ASHOK KUMAR	ВРРК	111-	16	16	VO21
			A,B			
6	N. SARITHA	HDT	IIIA,B	16	20	May
7	B. SOUJANYA	P.COG&PHYTO	II-A,B	16	20	of the same
8	K. DILEEP KUMAR	BSRM	IV-	8	12	1,000
			A,B			The state of
		ВРРК	III-A	4		
9	M. UMARANI	SPP	IVA,B	16	20	M.W
		ВРРК	IIIA	4		
10	P. NAGARAJU	HAP	I-A,B	16	20	p. peguije
		P.COL-III(P)	III-B	4		6. Maly 2
11	ASHOKACHAKRAVARTHI	P.CEU	II-A,B	16	16	ch All
12	S. KOTI REDDY	BIOCHEM	I-A,B	16	16	Kati Peak
13	V.GANESH	PJ	IV-	8	16	
		BSRM	A,B	8		Ganeda
			IV-			00.
			A,B			
14	B.SURESH KUMAR	PL OF PHARMAGE	IV-	8	12	Bekur
			A,B		. 1	BSIM

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		P-COL(P)	IIB	4			
15	A. ANIL KUMAR	BIOCHEM	I AB	16	24	000 1	
		MC(T)	II-AB	4		X	
16	K.SANDHYA	E.COL	IVA,B	8	16		
		MC-I	IIAB	8			
17	A. SHRUTHI	P.COL-I	II-A,B	16	20	6	
		P.COL-III	IIA	4		Mode.	
18	LAXMI KANTHARAO	CAP	I-A,B	8	12	2 M	
		GS	111-	2		12/	
			A,B				
		HVE	111-	2			
			A,B				
19	V. KAVITHA	P.COG&	II-A,B	16	16	11 3	
		PHYTO				gray	
20	K.SHAILAJA	POC-II	I-A,B	8	12	A il in	
		MC-III	IIIA	4		Shortey	
21	D.BALU	P.CEU-1	II-A,B	16	16	Blu	
22	N.SAROJA	НАР	I-A,B	16	16	Sarojas	
23	S. SWATHI	POC-II	II-A	4	20		
		MC-III	III-	16		CX	
			A,B			Clo.	
24	K. MADHURI	PATHO	I-A,B	8	16	Mall	
		E.COL	IV-	8		a Codles	
			A,B			.//, *	



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PHARM D WORK LOAD 2022-2023

S.No	Name of the faculty	Subjects	Class	No of periods	Total Workload	signature
		M.BIO	I YR	7		
1	MD.ABDUL AZEEM	P.COL-II	III YR	7	21	Azma
		СР	IV YR	7		
		HAP	I YR	7		
2	P. SWATHI PATEL	СР	II YR	3	17	P. Swatt
4	1.5WATTH TATLE	CT	IV YR	3		V. Su
		CR	V YR	4		
		HP	IV YR	6		
3	RAVI NAYAK	PJ	III YR	2	16	0
3	RAVINATAR	P.MICRO	II YR	7	10	
		CLERKSHIP	V YR	1		
		P.THER-II	III YR	7		1000
4	EMMANUEL EVANGILEEN	P.THER-I	II YR	7	21	C. Garagas
	EVANOILLEN	EPIDEMOLOGY	V YR	7	1	
	DR. V. ANUDEEP	PATHO	II YR	4	21	
5		P.THRER-III	IV YR	7		Aunt
3		CP&PTDM	V YR	3		
		PA	III YR	7		
		POC	I YR	7	21	Mary
6	T.MAHENDER	MC	III YR	7		
		BPPK	IV YR	7		Ma
		P.COL-I	II YR	7		
7	AMEGIIA DDIWII GALEII	PIC	I YR	6	16	
7	AYESHA BINTH SALEH	BSRM	IVIVD	3	16	W-
		P.CEUT	IVYR	(
		P.CEU1	I YR III YR	6		06
8	I. SWATHI	P.CEU	II-II(A,B) B.PHARM	8	20	0
		PF	III YR	6		
9	P.V PAVAN KUMAR	P.COG&PHYTO	II YR	7	19	90 m
		PCEUT	I YR	6		0
		SWI ELAPURA	SOJENOES*	AVANTH! PHARMA Gunthapatis	RINCHPAL INSTIT CEUTICAL SO (V), Abdullar Dist. Telanga	ENCES Jurmet (M)







(Approved by PCI, AICTE & Affiliated to JNTUH) Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.

S.No	Name of the faculty	Subjects	Class	No of periods	Total Workload	signature
10	MD. ALEEMUDDIN	BSRM HOSPITAL	IV YR	3	12	
10	WID. ALDEDIVIOUS	VISIT	(PA)	9		K
		НР	4	6		
		PJ	3	2		Nis
11	M SWATHI	P.MICRO	2	7	16	(Harris)
			_	1		
		CLERKSHIP	5	1		
		PF	3	6		0.400
12	P.SRILATHA	P.COG&PHYTO	2	7	19	Seilatra
		P.CEU	1	6		

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PRINCIPAL PHARMACEUTICAL SCIENCES Gunthapally (V), Abrullaparmet (M), 31. Tales r - 19.

R.R.











DEPARTMENT OF PHARMACY M. PHARMACY I, II YR-SEMESTER-I FACULTY WORK LOAD ACADEMIC YEAR-2022-2023

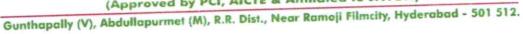
S.No	Name of the faculty	Subjects	Class	No of periods	Total Workload	signature
	Dr. NIHAR RANJAN	MPAT	IYR(PA)	10	14	The
1	DAS	STT IIYR(PA) 4		7		
2	Dr. G. SAI KIRAN	PFA	IYR(PA)	10	14	84
2	Dr. G. SAI KIICH	STT	IIYR(CEU)	4		-
		RM&IPR	IYR(PA)	2		il _
		RM&IPR	IYR(CEU)	2	8	
3	Dr.K.BALAJI	SEMINAR& ASSI	IYR(P.A)	4		
		SEMINAR& ASSI	IYR(PA)	4		
4	Dr. M. RAMAKRISHNA	SEMINAR& ASSI	IYR(P.CEU)	4	14	M.R.K.
		AC-1	IYR(PA)	2		
		CS	HYR(P.CEU)	4		1
5	Dr.B MANJULA	MP-1	IYR(P.A)	10	12	larjyle
3	DI.D MANOCEN	CS	IIYR(P.A)	4		01.
		PV	IYR(P.A)	4		SCI
6	Dr. VISHNU	APP	IYR(P.CEU)	4	10	VOS
O	SRAVAN BOLLU	RM&IPR	IYR(P.CEU)	2	10	A
7	P.LAVANYA	ABPPK	IYR(P.CEU)	10	10	
	2.2027.22.22	APA	IYR(PA)	4		A. M
8	T. MADHURI	AC-1	IYR(P.CEU)	2	10	1. Mark
ð	A. Markan and and	CS	IIYR(PA)	4		130

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DEPARTMENT OF PHARMACY

M. PHARMACY I, II SEMESTER-II FACULTY WORK LOAD ACADEMIC YEAR-2022-2023

S.No	Name of the faculty	Subjects	Class	No of periods	Total Workload	signature		
	racuity	AIA-1	IYR(PA)	10				
	"	MINI PROJECT	IYR(P.CEU)	2	20	12		
1	Dr. NIHAR RANJAN DAS	STT	IIYR(PA)	4	20	The state of the s		
	RANGAN DAG	DWR- III/DVV	IIYR(P.A,PCEU)	4		20		
		PQC&QA	IYR(PA)	10				
		AC-II	IYR(P.CEU)	2		(3)		
2	Dr. G. SAI KIRAN	STT	IIYR(CEU)	4	20	Sy		
-		DWR- III/DVV	IIYR(PA,P.CEU)	4		7		
		НС	IYR(PA)	4				
3	Dr.K.BALAJI	MINI PROJECT	IYR(CEU)	2	10			
-		HC	IYR(P.CEU)	4				
		NC	IYR(PA)	4	_			
	Dr. M. RAMAKRISHNA	SEMINAR	IYR(P.CEU)	4		MRKil		
		NC	IYR(PCEU)	4	20			
4		CS	HYR(P.CEU)	4				
					DWR- III/DVV	IIYR(P.A)	4	
		SEMINAR	IYR(P.A)	4		1 est		
=	Dr.B MANJULA	MP-II	IYR(P.CEU)	10	20	lay		
5	Dr.B MANGCEA	CS	HYE(P.CEU)	4		90%		
		DWR-III	IIYR(P.CEU)	2				
		AC-II	IYR(P.A)	2				
	Dr. VISHNU	ADDS	IYR(P.CEU)	10	18	1, 0		
6	SRAVAN BOLLU	DWR- III/DVV	IIYR(P.A,PCEU)	8		1.80		
		DWR- III/DVV	IIYR(P.CEU)	8	16	A		
7 P.L	P.LAVANYA	DWR- III/DVV	IIYR(PA)	8	10	4		
		DWR- III/DVV	IIYR(PA)	8	16	Corce		
8	T. MADHURI	DWR-	HYR(P.CEU)	8	10	11/4		

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DEPARTMENT OF PHARMACY

A.Y 2022-23 TIME TABLE

B. Pharm I-I SEM (SEC-A)

W.E. F: 28.11.22

COLLEGE TIMINGS: 09.30AM -03.50PM

DAYS	9.30AM-	10.20AM-	11.10AM-	12.00AM-	12.50PM-	1.20P.M-	2.10PM-	3.00PM-
Dillo	10.20AM	11.10AM	12.00PM	12.50PM	1.20PM	2.10PM	3.00PM	3.50PM
MON	BATCH-II IBATCH-II	7 RESERVE	L	PA-I	CS	HAP-I (T)		
TUE	BATCH-I: BATCH-II				U	PH.CEU-I	RM	PIC (T)
WED	BATCH-I : PIC BATCH-II : PH.CEU-I				N	HAP-I	PA-I	RM
THU	BATCH-I: PH. CEU- IBATCH-II: PIC				С	PH.CEU-I (T)	PIC	RM
FRI	PA-I	PH. CEU-I	PIC	HAP-I	Н	RM	CS-LAB-A LIBRARY-	В
SAT	PH. CEU-I	HAP-I	PA-I(T)	PIC		CS		LAB-B RARY-

SUBJECT NAME	FACULTY NAME	DESIGNATION
Human Anatomy & Physiology	P. Nagaraju/K. Madhuri	Assistant Professor/ Assistant Professor
Pharmaceutical Analysis	V. Kavitha	Assistant Professor
Pharmaceutics	D. Balu/ K. Dileep Kumar	Assistant Professor/ Assistant Professor
Pharmaceutical Inorganic Chemistry	M. Umarani/S. Koti Reddy	Assistant Professor/ Assistant Professor
Communication Skills	B. Laxmi Kantharao	Assistant Professor
Remedial Biology/Remedial Maths	K. Vimala	Assistant Professor
Human Anatomy & Physiology Lab	P. Nagaraju/ K. Madhuri	Assistant Professor/ Assistant Professor
Pharmaceutical Analysis Lab	V. Kavitha	Assistant Professor
Pharmaceutics Lab	D. Balu/ K. Dileep Kumar	Assistant Professor/ Assistant Professor
Pharmaceutical Inorganic Chemistry Lab	M. Umarani	Assistant Professor

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DEPARTMENT OF PHARMACY

A.Y 2022-23 TIME TABLE

B. Pharm I-I SEM (SEC-B)

W.E. F: 28.11.22

COLLEGE TIMINGS: 09.30AM -03.50PM

DAYS	9.30AM- 10.20AM	10.20AM- 11.10AM	11.10AM- 12.00PM	12.00AM- 12.50PM	12.50PM- 1.20PM	1.20P.M- 2.10PM	2.10PM- 3.00PM	3.00PM- 3.50PM
MON	BATCH-I : F : PH. CEU-I	PIC BATCH-II			L	PA-I	HAP-I	CS
TUE	BATCH-I: PH. CEU-I BATCH-II: PIC				U	RM	PH. CEU-I	PIC
WED	BATCH-I : HAP-I BATCH-II : PA-I				N	RM	PA-I	HAP-I (T)
THU	J BATCH-I : PA-I BATCH-II : HAP-I				С	RM	PIC	PH. CEU- (T)
FRI	PA-I(T)	PH. CEU-I	CS-LAB-A LIBRARY-B		Н	CS	PIC	HAP-I
SAT	PH. CEU-I	HAP-I	CS-LAB-B LIBRARY-A			RM	PA-I	PIC (T)

SUBJECT NAME	FACULTY NAME	DESIGNATION
Human Anatomy & Physiology	P. Nagaraju/ K. Madhuri	Assistant Professor
Pharmaceutical Analysis	V. Kavitha	Assistant Professor
Pharmaceutics	D. Balu/ K. Dileep Kumar	Assistant Professor/ Assistant Professor
Pharmaceutical Inorganic Chemistry	M. Umarani/S. Koti Reddy	Assistant Professor/ Assistant Professor
Communication Skills	B. LaxmiKantharao	Assistant Professor
Remedial Biology/Remedial Maths	K. Vimala	Assistant Professor
Human Anatomy & Physiology	P. Nagaraju/ A. Shruthi/	Assistant Professor/
Lab	K.Madhuri	Assistant Professors
Pharmaceutical Analysis Lab	V. Kavitha	Assistant Professor
Pharmaceutics lab	D. Balu/ K. Dileep Kumar	Assistant Professor/ Assistant Professor
Pharmaceutical Inorganic Chemistry Lab	M. Umarani/S. Koti Reddy	Assistant Professor/ Assistant Professor
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A.Y 2022-23 TIME TABLE

B. Pharm II-I SEM (SEC-A) W.E. F: 28.11.22

COLLEGE TIMINGS: 09.30AM -03.50PM

DAYS	9.30AM-	10.20AM-	11.10AM-	12.00AM-	12.50PM-	1.20P.M-	2.10PM-	3.00PM-
	10.20AM	11.10AM	12.00PM	12.50PM	1.20PM	2.10PM	3.00PM	3.50PM
MON	BATCH-I	P.P-I			L	P.PI	P. MICRO	LIBRARY
	BATCH-II	POC-II						
TUE	BATCH-I	POC-II			U	P.PI	POC-II	P.E
	BATCH-II	P.P-I					(T)	
WED	BATCH- I	P. MICRO			N	P. MICRO	LIBRARY	POC-II
	BATCH- II	P.E						
THU	BATCH-I BATCH-II	P.E P. MICRO			С	P.PI	P.E	POC-II
FRI	POC-II	P.PI	LIBRARY	P.E(T)	Н	P. MICRO	SPC	ORTS
SAT	P. MICRO (T)	P.E	P.PI(T)	POC-II			NSO	

SUBJECT NAME	FACULTY NAME	DESIGNATION
Pharmaceutical Organic Chemistry-I	G.Swapna Rani/S. Swathi	Associate Professor /Assistant Professor
Physical Pharmaceutics-I	R. Ashok Kumar	Assistant Professor
Pharmaceutical Microbiology	Ashokachakravarthy	Assistant Professor
Pharmaceutical Engineering	V.Balasubramanyam	Assistant Professor
Pharmaceutical Organic	G.Swapna Rani/ S. Swathi	Associate Professor
Chemistry-II Lab		Assistant Professor
Physical Pharmaceutics-ILab	B. Soujanyar. /R.Ashok Kumar	Assistant Professor
Pharmaceutical Microbiology Lab	Ashokachakravarthy/A. Shailaja	Assistant Professor
Pharmaceutical Engineering Lab	D. Balu/ K. Sandhya	Assistant Professor/ Assistant Professor/ Assistant Professor

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A.Y 2022-23 TIME TABLE

B. Pharm II-I SEM (SEC-B) W.E. F: 28.11.22

COLLEGE TIMINGS: 09.30AM -03.50PM

DAYS	9.30AM- 10.20AM	10.20AM- 11.10AM	11.10AM- 12.00PM	12.00AM- 12.50PM	12.50PM- 1.20PM	1.20P.M- 2.10PM	2.10PM- 3.00PM	3.00PM- 3.50PM
MON	BATCH-II BATCH-II	POC-II P.P-I			L	P.PI	PMICRO(T)	P.E
TUE	BATCH-I BATCH-II	P.P-I POC-II			U	P.PI	POC-II	P.E(T)
WED	BATCH- I BATCH- II	P.E P. MICRO)		N	P. MICRO	LIBRARY	POC-II (T)
THU	BATCH-II BATCH-II	P. MICRO	P.E		С	P.PI	POC-II	LIBRARY
FRI	POC-II	P.PI (T)	LIBRARY	P.E	Н	P. MICRO	SPC	ORTS
SAT	P. MICRO	P.E	P.PI	POC-II			NSO	

SUBJECT NAME	FACULTY NAME	DESIGNATION
Pharmaceutical Organic Chemistry-II	G.Swapna Rani/ S. Swathi	Associate Professor/ Assistant Professor/
Physical Pharmaceutics-I	R. Ashok Kumar	Assistant Professor
Pharmaceutical Microbiology	Ashokachakravarthy	Assistant Professor
Pharmaceutical Engineering	V.Balasubramanyam	Assistant Professor
Pharmaceutical Organic Chemistry-II Lab	G.Swapna Rani/ S. Swathi	Associate Professor
Physical Pharmaceutics-ILab	B. Soujanya/ R. Ashok Kumar	Assistant Professor
Pharmaceutical Microbiology Lab	Ashokachakravarthy	Assistant Professor
Pharmaceutical Engineering Lab	V. Balasubramanyam	Assistant Professor
Sports	M.Rajashekar	Pd

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A.Y 2022-23 TIME TABLE

B. Pharm III-I SEM (SEC-A)

W.E. F:09.09.22

COLLEGE TIMINGS: 09.30AM -03.50PM

DAYS	9.30AM- 10.20AM	10.20AM- 11.10AM	11.10AM- 12.00PM	12.00AM- 12.50PM	12.50PM- 1.20PM	1.20P.M- 2.10PM	2.10PM- 3.00PM	3.00PM- 3.50PM
MON	COS	M.CII	P.COG-II	P.COL-II	L	I.P-I	P.COG-II (T)	EVS
TUE BATCH-I P.COL-II BATCH-II I.P-I					U	LIBRARY	Î.P-I	M.C-II (T)
WED	P.COG-II	SEM	SEMINAR			COS (T)	P.COG-II	P.COL-II
THU	BATCH-II BATCH-II	The state of the s			С	P.COG-II	M.C-II	LIBRARY
FRI	BATCH-I P.COG-II BATCH-II LIBRARY/SPORTS				Н	cos	(T) I.P-I	P.COL-II
SAT	BATCH-I LIBRARY/SPORTS BATCH-II P.COG-II				M.C-II	P.COL-II (T)	I.P-I	

SUBJECT NAME	FACULTY NAME	DESIGNATION
Medicinal Chemistry II	G.Swapna Rani/ S. Swathi	Assistant Professor/ Assistant Professor/
Industrial Pharmacy - I	N.Saritha	Assistant Professor
Pharmacology II	A. Shruthi/S. Mahender	Associate Professor/ Assistant Professor/
Pharmacognosy And Phytochemistry - II	N. Saroja /B. Soujanya	Assistant Professor/ Assistant Professor/
Cosmeti Science	K. Sandhya/A. Shailaja	Assistant Professor/ Assistant Professor/
Environmental Sciences	B. Laxmi Kantharao/V. Ganesh	Assistant Professor/ Assistant Professor/
Medicinal Chemistry II Lab	N.Saritha	Assistant Professor
Industrial Pharmacy – I Lab	M. Umarani	Assistant Professor
Pharmacology - II Lab	A. Shruthi/ S. Mahender	Associate Professor/ Assistant Professor
Pharmacognosy And Phytochemistry – II Lab	N. Saroja /B. Soujanya	Assistant Professor/ Assistant Professor/
Sports	M.Rajashekar	Pd

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DEPARTMENT OF PHARMACY

A.Y 2022-23 TIME TABLE

B. Pharm III-I SEM (SEC-B)

W.E. F: 09.09.22 COLLEGE TIMINGS: 09.30AM -03.50PM

DAYS	9.30AM-	10.20AM-	11.10AM-	12.00AM-	12.50PM-	1.20P.M-	2.10PM-	3.00PM-
	10.20AM	11.10AM	12.00PM	12.50PM	1.20PM	2.10PM	3.00PM	3.50PM
MON	COS	M.CII	P.COG-II	P.COL-II	L	I.P-I	P.COGII (T)	EVS
TUE	TUE BATCH-I P.COL-II BATCH-II I.P-I					LIBRARY	I.P-I	M.C-II (T)
WED	P.COG-II	SEMINAR			N	CO S (T)	P.COG-II	P.COL-II
THU	BATCH-II P.	I.P-I .COL-II	C	P.COG-II	M.C-II	LIBRARY		
FRI	BATCH-I P.COG-II BATCH-II LIBRARY/SPORTS				Н	COS	I.P-I (T)	P.COL-II
SAT	BATCH-I LIBRARY/SI II P.COG-II	PORTSBATCH	I-	FT.	M.C-II	P.COL-II (T)	I.P-I	

SUBJECT NAME	FACULTY NAME	DESIGNATION
Medicinal Chemistry II	A. Anil Kumar	Assistant Professor
Industrial Pharmacy - I	N.Saritha	Assistant Professor
Pharmacology II	A. Shruthi/ S. Mahender	Associate Professor/ Assistant Professor/
Pharmacognosy And Phytochemistry - II	B. Soujanya/ N. Saroja	Assistant Professor/ Assistant Professor/
Cosmetic Science	K. Sandhya/K. Usha/ A. Shailaja	Assistant Professor/ Assistant Professor/
Environmental Sciences	B. Laxmi Kantharao/ V. Ganesh	Assistant Professor/ Assistant Professor/
Medicinal Chemistry I Lab	A. Anil Kumar	Assistant Professor
Industrial Pharmacy – I Lab	N.Saritha	Assistant Professor
Pharmacology - II Lab	A. Shruthi /P. Nagaraju/ S.Mahender	Associate Professor / Assistant Professor/ Assistant Professor/
Pharmacognosy And Phytochemistry – II Lab	N. Saroja/ B. Soujanya /V.Kavitha	Assistant Professor
Sports		Pd

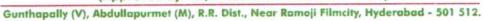
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A.Y 2022-23 TIME TABLE

B. Pharm IV-I SEM (SEC-B) W.E. F: 29.08.22 COLLEGE TIMINGS: 09.30AM -03.50PM

DAYS	9.30AM-	10.20AM-	11.10AM-	12.00AM-	12.50PM-	1.20P.M-	2.10PM-	3.00PM-
	10.20AM	11.10AM	12.00PM	12.50PM	1.20PM	2.10PM	3.00PM	3.50PM
MON	IMA	IP-II	II Ph.PRACTICE NDDS			QC&S H(T)	IT	
TUE	BATCH-I SP	ORTS			U	IMA	Ph.PRACTIC	IP-II
	BATCH - Ph	,PRACTIC					E(T)	
	II E							
WED	IP-II	IMA	QC&SH	LIBRARY	N	NDD	SEMIN	NA
					C	S(T)	R	
					Н		(IS/P.	PH)
	BATCH-I IM	A				IMA	Ph.	NDDS
THU	BATCH - SI	PORT				(T)	PRACTICE	
	II S							
FRI	BATCH-I Ph.	PRACTICE				NDDS	QC&SH	LIBRARY
		BATCH -II	IMA		1			
SAT	Ph.PRACTICE	QC&SH	SEMINA			IP-II	SEMI	NA
			R			(T)	R	
			(IS/P.PH)				(IS/P.	PH)

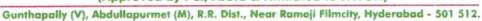
SUBJECT NAME	FACULTY NAME	DESIGNATION
Instrumental Methods Of Analysis	K. Usha/P. Srilatha/ V. Ganesh	Associate Professor/ Assistant Professor/ Assistant Professor/
Industrial Pharmacy-II	Balasubramanyam	Assistant Professor
Pharmacy Practice	S. Mahender/ N. Saroja	Assistant Professor/ Assistant Professor/
Novel Drug Delivery System	K. Sandhya	Assistant Professor
Quality Control And Standardization Of Herbals	A. Anil Kumar	Assistant Professor
Instrumental Methods Of Analysis Lab	K. Shailaja /K. Usha/V. Ganesh	Assistant Professor/ Assistant Professor/
Practice School	A.Shailaja	Assistant Professor
Industrial Training	S. Koti Reddy	Associate Professor
Sports	M.Rajashekar	Pd



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A.Y 2022-23 TIME TABLE

B. Pharm IV-I SEM (SEC-A) W.E. F:29.08.22

COLLEGE TIMINGS: 09.00AM -03.50PM

DAYS	9.30AM- 10.20AM	10.20AM- 11.10AM	11.10AM- 12.00PM	12.00AM- 12.50PM	12.50PM- 1.20PM	1.20P.M- 2.10PM	2.10PM- 3.00PM	3.00PM- 3.50PM	
MON	BATCH-I BATCH - II	IMA SPORT S			L	IP-II	Ph. PRACTICE	NDD S(T)	
TUE	IMA	IP-II (T)	QC&SH	Ph .PRACTIC E(T)	U	NDDS	I	Ť	
WED	IP-II	Ph. PRACTICE	LIBRAR Y	QC&SH	N	IMA	SEMINAR		
THU	BATCH-I BATCH - II	Ph. PRACTICE IMA			C H	NDDS	LIBRARY	IM A (T)	
FRI	NDDS	IP-II	SEN	MINAR		IMA	QC&SH (T)	Ph. PRACTICE	
SAT	BATCH-I SPORTS BATCH - Ph. PRACTICE II				QC&SH	SEM	INAR		

SUBJECT NAME	FACULTY NAME	DESIGNATION	
Instrumental Methods OfAnalysis	P. Srilatha/ V. Ganesh/ K. Shailaja	Assistant Professor/ Assistant Professor/ Assistant Professor/	
Industrial Pharmacy-Ii	Balasubramanyam	Assistant Professor	
Pharmacy Practice	Ashoka Chakravarthi	Assistant Professor	
Novel Drug DeliverySystem	K. Sandhya/N. Saritha/ K. Dileep Kumar	Assistant Professor/ Assistant Professor// Assistant Professor/	
Quality Control And Standardization Of Herbals	A. Anil kumar	Assistant Professor	
Instrumental Methods OfAnalysis Lab	K. Usha/K. Shailaja /V. Ganesh	Assistant Professor/ Assistant Professor/ Assistant Professor/	
Practice School	A. Shailaja	Associate Professor	
Industrial Training	S. Koti Reddy	Assistant Professor	
Sports	M.Rajashekar	Pd	

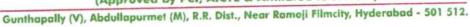
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A.Y 2022-23 TIME TABLE

B. pharm I-II SEM (SEC-A) W.E. F: 01.05.2023 COLLEGE TIMINGS: 09.30AM -03.50PM

DAYS	9.30AM- 10.20AM	10.20AM - 11.10AM	11.10AM- 12.00PM	12.00AM- 12.50PM	12.50PM- 1.20PM	1.20P.M- 2.10PM	2.10PM- 3.00PM	3.00PM- 3.50PM
MON	BATCH-II BATCH-II	HAP-II LIBRARY/SPORTS			L	BIOCHEM	P.PHY	POC-I
TUE	BATCH-II BATCH-II	BIOCHEM POC-I			U	HAP-II	CA	P.PHY (T)
WED	BATCH-I BATCH-II	LIBRARY/SPORTS HAP-II			N	BIOCHEM	POC-I	CA
THU	BATCH-II BATCH-II	NSS CA	P. PHY	HAP-II	С	CA	POC-I	NSS
FRI	BATCH-II BATCH-II	POC-I BIOCHEM			Н	BIOCHEM	HAP-II	POC-I (T)
SAT	BATCH-II BATCH-II	CA NSS	BIOCHEM	HAP-II (T)		BIOCHEM (T)	POC-I	P.PHY

SUBJECT NAME	FACULTY NAME	DESIGNATION
Human Anatomy And Physiology II	P. Nagaraju/N.Saroja	Assistant Professor/ Assistant Professor
Pharmaceutical Organic Chemistry-I	G. Swapna Rani	Associate Professor
Biochemistry	A. Anil Kumar/S.Koti Reddy	Assistant Professors
Pathophysiology	S. Mahender/K.Madhuri	Assistant Professors
Computer Applications In Pharmacy	B. Laxmikantharao	Assistant Professor
Human Anatomy And Physiology	P. Nagaraju/ N.Saroja	Assistant Professors
Pharmaceutical Organic Chemistry-I Lab	G. Swapna Rani /K.Shailaja	Associate Professor/ Assistant Professor
Biochemistry Lab	A. Anil Kumar/S.Koti Reddy	Assistant Professors
Computer Applications In Pharmacy Lab	B. Laxmi Kantharao	Assistant Professor
Sports	M. Rajashekar	Pd

MR-Kill

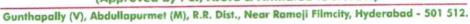
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AVANTH! INSTITUTE
PHARMACEUTICAL SCIENCES
Sunthapally (V), Abdullapurmet (M).

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DEPARTMENT OF PHARMACY

A.Y 2022-23 TIME TABLE

B. pharm I-II SEM (SEC-B)

W.E. F:: 01.05.23

COLLEGE TIMINGS: 09.30AM -03.50PM

DAYS	9.30AM- 10.20AM	10.20AM - 11.10AM	11.10AM- 12.00PM	12.00AM- 12.50PM	12.50PM- 1.20PM	1.20P.M- 2.10PM	2.10PM- 3.00PM	3.00PM- 3.50PM
MON	BATCH-II BATCH-II	HAP-II BIOCHE	EM		L	BIOCHEM	CA	POC-I
TUE	BATCH-II BATCH-II	CA NSS	BIOCHEM	CA	U	HAP-II	POC-I (T)	P.PHY
WED	BATCH-II BATCH-II				N	POC-I	HAP-II	LIBRARY
THU	BATCH-II BATCH-II				С	P.PHY (T)	POC-I	HAP-II (T)
FRI	BATCH-II BATCH-I	CA NSS	SS	HAP-II	Н	Р.РНҮ	BIOCHEM	POC-I
SAT	BATCH-II BATCH-II	POC-I LIBRAF	RY/SPORTS			BIOCHEM (T)	CA	P.PHY

SUBJECT NAME	FACULTY NAME	DESIGNATION
Human Anatomy And Physiology II	P. Nagaraju/ N.Saroja	Assistant Professors
Pharmaceutical Organic Chemistry-I	G. Swapna Rani	Assistant Professor
Biochemistry	A. Anil Kumar/S.Koti Reddy	Assistant Professors
Pathophysiology	S. Mahender/ K.Madhuri	Assistant Professors
Computer Applications In Pharmacy	B. Laxmikantharao	Assistant Professor
Human Anatomy And Physiology II Lab	P. Nagaraju/ N.Saroja	Associate/Assistant Professor
Pharmaceutical Organic Chemistry-I Lab	G. Swapna Rani /K.Shailaja	Associate/Assistant Professor
Biochemistry Lab	A. Anil Kumar/S.Koti Reddy	Assistant Professors
Computer Applications In Pharmacy Lab	B. Laxmi Kantharao	Assistant Professor
Sports	M. Rajashekar	Assistant Professor



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DEPARTMENT OF PHARMACY

A.Y 2022-23 TIME TABLE

B. Pharm II-II SEM (SEC-A) W.E. F: 01.05.23

COLLEGE TIMINGS: 09.30AM -03.50PM

DAYS	9.30AM- 10.20AM	10.20AM - 11.10AM	11.10AM- 12.00PM	12.00AM- 12.50PM	12.50PM- 1.20PM	1.20P.M- 2.10PM	2.10PM- 3.00PM	3.00PM- 3.50PM
MON	BATCH-II BATCH-II	PCOI MC-l			L	P.COG-I	MC-I	P.COL-I (T)
TUE	BATCH-I (BATCH-II LIBRARY/S	G.S /SEMINA PORTS	AR	MC-I (T)	U	P.PII	POC- III	P.COG-I
WED	BATCH-II BATCH-II	MC-I P.COL-I			N	P.COG-I	P.PII	POC-III
THU	BATCH-II BATCH-II	P.PII(IS) P.COG-			С	P.PII	P.COL-I	POC-III (T)
FRI	BATCH-I LIBRARY/S BATCH-II SEMINAR	PORTS G.S /		MC-I	Н	POC-III	P.COL-I	P.COG-I (T)
SAT	BATCH-II BATCH-II	P.COO P/.P-I				P.COL-I	MC-I	P.PII (T)

Subject Name	Faculty Name	Designation
Pharmaceutical Organic Chemistry-III	G. Swapna/ K.Usha/	Associate /AssistantProfessor
Pharmaceutics-I	D. Balu/Ashokachakravarthi	
	175	Assistant Professors
Pharmacology-I	A. Shruthi	Assistant Professor
Pharmacognosy And Phytochemistry-I	B. Soujanya/V. Kavitha	Assistant Professors
Medicinal chemistry-I	A. Anil kumar	Associate Professor
Medicinal chemistry-I Lab	K.Sandhya	Associate Professor
Physical Pharmaceutics-IILab	D. Balu	Assistant Professors
Pharmacology-I Lab	A. Shruthi	Assistant Professors
Pharmacognosy And Phytochemistry-I Lab	B. Soujanya/ V. Kavitha	Assistant Professors
Gender Sensitization Lab	B. Laxmi Kantharao	Assistant Professor
Sports	M.Rajashekar	Assistant Professor

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DEPARTMENT OF PHARMACY

A.Y 2022-23 TIME TABLE

B. Pharm II-II SEM (SEC-B) W.E. F: 01.05.23

COLLEGE TIMINGS: 09.30AM -03.50PM

DAYS	9.30AM- 10.20AM 11.10AM- 12.00PM	12.00AM- 12.50PM	12.50PM- 1.20PM	1.20P.M-2.10PM	2.10PM- 3.00PM	3.00PM- 3.50PM
MON	BATCH-I G.S / SEMINAR		L	P.COG-I	POC-III	P.COL-I
	BATCH-II LIBRARY/SPORTS	MC-I				(T)
TUE	BATCH-I P.COL-I		U	P.COG-I	POC-III	P.PII
TOL	BATCH-II MC-I			1.0001	l oc m	1.1.11
WED	BATCH-I MC-I	P.PII	N	P.COG-I	MC-I	POC-III
	BATCH-II LIBRARY/SPORTS				(T)	-
	BATCH-I P.PII		С	P.PII	P.COL-I	POC-III
THU	BATCH-II P.COG-I					(T)
	BATCH-I MC-I		Н	MC-I	P.COL-I	P.COG-I
FRI	BATCH-II PCOL-I					(77)
						(T)
	BATCH-I P.COG-I			P.COL-I	P.PII	MC-I
SAT	BATCH-II PP-II		<u>.</u>		(T)	

Subject Name	Faculty Name	Designation
Pharmaceutical Organic Chemistry-III	G. Swapna/ K.Usha	Associate/Assistant Professor
Pharmaceutics-I	D. Balu/ Ashokavarthi	Assistant Professors
Pharmacology-I	A. Shruthi	Assistant Professor
Pharmacognosy And Phytochemistry-I	B. Soujanya/ V. Kavitha	Assistant Professors
Medicinal chemistry-I	A.Anil kumar	Assistant Professors
Medicinal chemistry-I Lab	K.Sandhya	
Physical Pharmaceutics-IILab	D. Balu	Assistant Professors
Pharmacology-I Lab	A. Shruthi/B.Suresh	Assistant Professorsss
Pharmacognosy And Phytochemistry-I Lab	B. Soujanya/ V. Kavitha	Assistant Professor
Gender Sensitization Lab	B. Laxmi Kantharao	Assistant Professor
Sports	M.Rajashekar	PD

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DEPARTMENT OF PHARMACY

A.Y 2022-23 TIME TABLE

B. Pharm III-II SEM (SEC-A)

W.E. F: 13.02.23

COLLEGE TIMINGS: 09.00AM -03.50PM

DAYS	9.30AM- 10.20AM	10.20AM - 11.10AM	11.10AM- 12.00PM	12.00AM- 12.50PM	12.50PM- 1.20PM	1.20P.M- 2.10PM	2.10PM- 3.00PM	3.00PM- 3.50PM
MON	BATCH-I	MC-III	ODTE	MC-III	L	HDT	BPPK	P.COL-III
TUE	BATCH-II LIBRARY/SPORTS BATCH-II LIBRARY/SPORTS BATCH-II MC-III		MC-III	U	ВІОТЕСН	P.COL-II (UA)	HDT	
WED	BATCH-II MC-III BATCH-II LIBRARY/SPORTS		BIOTECH (T)	N	BPPK	HDT	P.COL-III	
THU	BATCH-I LIBRARY/SPORTS BATCH-II P.COL-III		P.COL-III	С	LIBRARY	HVE	BPPK	
FRI	BATCH-I LIBRARY/SPORTS BATCH-II HDT		LIBRARY	Н	BIOTECH	M.C-III (T)	BPPK (T)	
SAT	BATCH-II I	IDT LIBRARY/SPOE	RTS	BIOTECH		M.C-III	P.COL- III	HDT (T)

SUBJECT NAME	FACULTY NAME	DESIGNATION
Medicinal Chemistry - III	S. Swathi	Assistant Professor
Pharmacology - III	A.Shruthi	Assistant Professor
Herbal Drug Technology	N. Saritha/R.Ashok Kumar	Assistant Professors
Biopharmaceutics And Pharmacokinetics	R. Ashok Kumar	Associate Professor
Pharmaceutical Biotechnology	A. Shailaja/K.Usha	Assistant Professors
Medicinal Chemistry - III Lab	S. Swathi/K.Shailaja	Assistant Professors
Pharmacology - III Lab	P. Nagaraju	Assistant Professor
Herbal Drug Technology Lab	N. Saritha/R.Ashok Kumar	Assistant Professors
Biopharmaceutics And Pharmacokinetics Lab	R. Ashok Kumar/Balasubramanyam	Assistant Professors
Human Values And Professional Ethics	B. Laxmi Kantharao	Assistant Professor
Sports	M. Rajashekar	PD

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DEPARTMENT OF PHARMACY

A.Y 2022-23 TIME TABLE

B. Pharm III-II SEM (SEC-B)

W.E. F: 13.02.23

COLLEGE TIMINGS: 09.00AM -03.50PM

DAYS	9.30AM- 10.20AM	10.20AM - 11.10AM	11.10AM- 12.00PM	12.00AM- 12.50PM	12.50PM- 1.20PM	1.20P.M- 2.10PM	2.10PM- 3.00PM	3.00PM- 3.50PM
MON				BPPK		P.COL-III	MC-III	HDT
TUE	BATCH-I MC-III BATCH-II LIBRARY/SPORTS			P.COL-II (UA)		HDT	MC-III	ВІОТЕСН
WED	BATCH-I LIBRARY/SPORTS BATCH-II P.COL-III		HDT		P.COL-III	BIOTECH (T)	ВРРК	
THU	BATCH-I P.COL-III BATCH-II LIBRARY/SPORTS		HVE		BPPK	P.COL-III	LIBRARY	
FRI	BATCH-I HDT BATCH-II LIBRARY/SPORTS		M.C-III (T)		BPPK (T)	LIBRARY	BIOTECH	
SAT	BATCH-II H	LIBRARY/SPOI IDT	RTS	P.COL-III		HDT (T)	BIOTECH	M.C-III

SUBJECT NAME	FACULTY NAME	DESIGNATION
Medicinal Chemistry - III	S. Swathi	Assistant Professor
Pharmacology - III	S. Mahender	Assistant Professor
Herbal DrugTechnology	N. Saritha/R.Ashok Kumar	Assistant Professor
Biopharmaceutics And Pharmacokinetics	R. Ashok Kumar/Umarani	Associate Professor
Pharmaceutical Biotechnology	A. Shailaja/K.Usha	Assistant Professor
Medicinal Chemistry - III Lab	S. Swathi	Assistant Professor
Pharmacology – III Lab	S. Mahender/A.Shailaja	Assistant Professor
Herbal Drug Technology Lab	N. Saritha/R.Ashok Kumar	Assistant Professor
Biopharmaceutics And Pharmacokinetics Lab	R. Ashok Kumar/Balasubramanyam	Assistant Professor
Human Values And Professional Ethics	B. Laxmi Kantharao	Assistant Professor
Sports	M. Rajashekar	Pd

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DEPARTMENT OF PHARMACY

A.Y 2022-23 TIME TABLE

B. Pharm IV-II SEM (SEC-A) W.E. F.27.03.23

COLLEGE TIMINGS: 09.00AM -03.50PM

DAYS	9.30AM- 10.20AM	10.20AM - 11.10AM	11.10AM- 12.00PM	12.00AM- 12.50PM	12.50PM- 1.20PM	1.20P.M- 2.10PM	2.10PM- 3.00PM	3.00PM- 3.50PM
MON	PJ	EX PCOL	BS&RM	EX PCOL	L	PROJECT WORK	C	cs.
TUE	SPP	BS&RM	LIBRARY	BS&RM	U	PROJECT WORK	C	CS
WED	SPP	EX PCOL	РЈ	EX PCOL	N	CS	PROJEC	ΓWORK
THU	EX.P.COL	SPP	PJ	BS&RM	С	BS&RM	PROJEC	T WORK
FRI	SPP	РЈ	EX PCOL	BS&RM	Н	SEMINARS/PROJECT WORK/SPORTS		7,000
SAT	РЈ	SPP	EX PCOL	BS&RM			SEMINARS/PROJECT WORK/SPORTS	

SUBJECT NAME	FACULTY NAME	DESIGNATION
Biostatistics And Research Methodology	K. Dileep Kumar/V.Ganesh	Assistant Professors
Social And Preventive Pharmacy	Balasubramanyam/Umarani	Assistant Professors
Pharmaceutical Jurispudance	B. Suresh/V.Ganesh	Assistant Professors
Experimental Pharmacology	K. Sandhya/ K.Madhuri	Associate Professors



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DEPARTMENT OF PHARMACY

A.Y 2022-23 TIME TABLE

B. Pharm IV-II SEM (SEC-B) W.E. F.27.03.23

COLLEGE TIMINGS: 09.00AM -03.50PM

DAYS	9.30AM- 10.20AM	10.20AM - 11.10AM	11.10AM- 12.00PM	12.00AM- 12.50PM	12.50PM- 1.20PM	1.20P.M- 2.10PM	2.10PM- 3.00PM	3.00PM- 3.50PM
MON	The second second second	BRARY/SPORT	S	BPPK		P.COL-III	MC-III	HDT
TUE	BATCH-II MC-III BATCH-I MC-III			P.COL-II		HDT	MC-III	BIOTECH
WED	BATCH-II LIBRARY/SPORTS BATCH-II LIBRARY/SPORTS		HDT		P.COL-III	BIOTECII	BPPK	
THU	BATCH-II P.COL-III BATCH-II LIBRARY/SPORTS		HVE		BPPK	P.COL-III	LIBRARY	
FRI	BATCH-I HDT			M.C-III		BPPK (T)	LIBRARY	BIOTECH
SAT	BATCH-II LIBRARY/SPORTS BATCH-II LIBRARY/SPORTS BATCH-II HDT		P.COL-III		HDT (T)	ВІОТЕСН	M.C-III	

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SUBJECT NAME	FACULTY NAME	DESIGNATION
Biostatistics And Research Methadology	K. Dileep Kumar/V.Ganesh	Assistant Professors/ Assistant Professor
Social And Preventive Pharmacy	Balasubramanyam/Umarani	Assistant Professors/ Assistant Professor
Pharmaceutical Jurispudance	B. Suresh/V.Ganesh	Assistant Professors/ Assistant Professor
Experimental Pharmacology	K. Sandhya/K.Madhuri	Associate Professors/ Assistant Professor



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DEPARTMENT OF PHARMACY PRACICE

A.Y 2022-23 TIME TABLE

PHARM.D I YEAR

W.E.F: 28.11.22

COLLEGE TIMINGS:9:30AM-3:50PM

DAYS	9.30AM- 10.20AM	10.20AM- 11.10AM	11.10AM- 12.00PM	12.00AM- 12.50PM	12.50PM- 1.20PM	1.20P.M- 2.10PM	2.10PM- 3.00PM	3.00PM- 3.50PM
MON	В.СНЕМ.	HAP	POC	P.CEU (T)	L		PIC	
TUE	PIC	RM	POC (T)	TEST	U	LIBR	ARY/SPORT	S
WED	HAP	POC	В.СНЕМ.	PIC (T)	N		POC	
THU	POC	RM/RB	P. CEU	PIC	С		HAP	
FRI	B.CHEM.	RM/RB	P. CEU	B. CHEM.	Н		В.СНЕМ.	
SAT	НАР	RM/RB	TEST	HAP (T)			P.CEU.	

Subject name	Faculty name	Designation
Human Anatomy And Physiology	P. Swathi	Assistant Professor
Pharmaceutics	I. Swathi	Assistant Professor
Medicinal Biochemistry	Dr. Md. Abdul Azeem	Associate Professor
Pharmaceutical Organic Chemistry	T. Mahender	Assistant Professor
Pharmaceutical Inorganic Chemistry	Dr. Ayesha Binth Saleh	Assistant Professor
Remedial Mathematics/ Biology	K. Vimala	Assistant Professor
Human Anatomy And Physiology Lab	P. Swathi	Assistant Professor
Pharmaceutics Lab	I. Swathi	Assistant Professor
Medicinal Biochemistry Lab	Dr. Md. Abdul Azeem	Associate Professor
Pharmaceutical Organic Chemistry Lab	T. Mahender	Assistant Professor
Pharmaceutical Inorganic Chemistry-Lab	Dr. Ayesha Binth Saleh	Assistant Professor

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R.R. Dist. Telangana.







DEPARTMENT OF PHARMACY PRACTICE

A.Y 2022-23 TIME TABLE

PHARM.D II YEAR

W.E.F: 28.11.22

COLLEGE TIMINGS:9:30AM-3:50PM

DAYS	9.30AM- 10.20AM	10.20AM- 11.10AM	11.10AM- 12.00PM	12.00AM- 12.50PM	12.5PM- 1.20PM	1.201	2.10P M- 3.00P M	3.00PM - 3.50PM
MON	P.COL-I	СР	P.PHY.	P.THERI	L	LIBRARY/SI	PORTS	
TUE	P.THERI	MICRO	P.PHY	LIBRARY	U	SEMINA	ARS	СР
WED	P.PHY.	MICRO	P.COL-I	MICRO			MICRO	
THU	P.COL-I	LIBRARY	P.COG&PHYTO	P.COG& PHYTO	С	P.CO	G&РНҮТО.	
FRI	СР	P.PHY	P.THERI(T)	P.COL-I(T)	Н		SEMINARS	
SAT	MICRO (BS)	P.THERI	P.THERILAB(HOS	SPITALVISIT)			LAB (HOSPI	TAL VISIT)

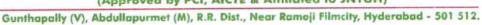
Subject Name	Faculty Name	Designation		
Pathophysiology	Dr. V. Anudeep	Assistant Professor		
Pharmaceutical Microbiology	Dr. Ravinayak	Assistant Professor		
Pharmacognosy & Phytopharmaceuticals	P.V. Pavankumar	Assistant Professor		
Pharmacology-I	Dr. Ayesha Binth Saleh	Assistant Professor		
Community Pharmacy	Dr. P. Swathi	Assistant Professor		
Pharmacotherapeutics-I	Dr. Evangileen	Assistant Professor		
PharmaceuticalMicrobiology -Lab	Dr. Ravinayak	Assistant Professor		
Pharmacognosy & Phytopharmaceuticals- Lab	P.V. Pavankumar	Assistant Professor		
Pharmacotherapeutics-I-Lab	Dr. Evangileen	Assistant Professor		

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(Approved by PCI, AICTE & Affiliated to JNTUH)







DEPARTMENT OF PHARMACY PRACTICE

A.Y 2022-23 TIME TABLE

PHARM.D III YEAR

W.E.F: 28.11.22

COLLEGE TIMINGS:9:30AM-3:50PM

		T T			· · · · · · · · · · · · · · · · · · ·			
DAYS	9.30AM- 10.20AM	10.20AM- 11.10AM	11.10AM- 12.00PM	12.00AM- 12.50PM	12.50PM- 1.20PM	1.20P.M- 2.10PM	2.10PM- 3.00PM	3.00PM- 3.50PM
MON	P.A LAB			P.A	L	M.C	P.J	SEMINARS(NS)
TUE	M.C LAB		P.THERII	U	P.F (T)	P.THER. –II	P.COL-II	
WED		P.F LAB			N	M.C (T)	P.COL-II	P.A
THU	P.A	P.A P. THERII LAB (HOSPITALVIST)		С	P.THEI	RII LAB(HO	OSPITALVISIT)	
FRI	P.COL-II LAB			M.C	Н	P.J	P.THER.II (T)	P.COL-II (T)
SAT	P.F	P.J	LIBRARYSPORTS			M.C	P.COL-II	P.A(T)

SUBJECTNAME	FACULTYNAME	DESIGNATION	
Pharmacology-II	Dr. Ayesha Binth Saleh	Assistant Professor	
Pharmaceutical Analysis	Dr. V.Anudeep	Assistant Professor	
Pharmacotherapeutics-II	Dr. Evangileen	Assistant Professor	
Pharmaceutical Jurisprudence	Dr. Ravinayak	Assistant Professor	
Medicinal Chemistry	T. Mahender	Assistant Professor	
Pharmaceutical Formulations	P.V. Pavankumar/ I.Swathi	Assistant Professor	
Pharmacology-II	Dr. Ayesha Binth Saleh	Assistant Professor	
Pharmaceutical Analysis-Lab	Dr. V.Anudeep	Assistant Professor	
Pharmacotherapeutics-II-Lab	Dr. Evangileen	Assistant Professor	
Medicinal Chemistry-Lab	T. Mahender	Assistant Professor	
Pharmaceutical Formulations-Lab	P.V. Pavankumar/ I.Swathi	Assistant Professor	

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DEPARTMENT OF PHARMACY PRACTICE

A.Y 2022-23 TIME TABLE

PHARM.D IV YEAR

W.E.F: 28.11.22

COLLEGE TIMINGS:9:30AM-3:50PM

DAY	9.30AM- 10.20AM	10.20AM- 11.10AM	11.10AM- 12.00PM	12.00AM- 12.50PM	12.50PM- 1.20PM	1.20P.M- 2.10PM	2.10PM- 3.00PM	3.00PM- 3.50PM
MON	СТ	B&RM	P.THER-III	HP	L	BPK (T)	TEST	СР
TUE	BPK	P.THER-III (T)	CP	TEST	U	B&RM	HP(T)	CT
WED	P.THER- III	SEMINAR			N	HOSPITALVISIT(P.THER-III)		
THU	P.THER- III	HP	HP	СР	С	LIBRA	RY/SPORTS	
FRI	CP(T)	HOSPITALVISIT			Н	I	HOSPITALVISI	Γ
SAT	B&RM		BPK			BPK	TEST	СТ

SUBJECTNAME	FACULTYNAME	DESIGNATION
Pharmacotherapeutics-III	Dr . V. Anudeep	Assistant Professor
Hospital pharmacy	Dr Ravinayak	Assistant Professor
Clinical pharmacy	Dr . MD.Abdul Azeem	Associate Professor
Biostatistics and Research methodology	Dr .MD.Aleemuddin/ K.Vimala	Assistant Professor
Biopharmaceutics and pharmacokinetics	T. Mahender	Assistant Professor
Clinical toxicology	P. Swathi patel	Assistant Professor
Pharmacotherapeutics-III Lab	Dr . V. Anudeep	Assistant Professor
Hospital pharmacy Lab	Dr Ravinayak	Assistant Professor
Clinical pharmacy Lab	Dr . MD.Abdul Azeem	Associate Professor
Biopharmaceutics and pharmacokinetics Lab	T. Mahender	Assistant Professor

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DEPARTMENT OF PHARMACY PRACTICE

A.Y 2022-23 TIME TABLE

PHARM.D V YEAR

W.E.F: 28.11.22

COLLEGE TIMINGS:9:30AM-3:50PM

DAY	9.30AM- 10.20AM	10.20AM- 11.10AM	11.10AM- 12.00PM	12.00AM- 12.50PM	12.50PM- 1.20PM	1.20P.M- 2.10PM	2.10PM- 3.00PM	3.00PM- 3.50PM
MON	CR	P&PE	CPK&PDM	TEST	L	P&PE	SEMINAR	CR
TUE	CR SEMINAR				U	CPK&PDM	P&PE	TEST
WED	HOSPITALVISIT				N	HOSPITALVISIT		
THU	CPK&PDM CR P&PE CLERKSHIP				С	33	HOSPITALVIS	SIT
FRI		HOSPIT	TALVISIT	Н		HOSPITALVIS	SIT	
SAT	T HOSPITALVISIT						HOSPITALVIS	SIT

SUBJECTNAME	FACULTYNAME	DESIGNATION
Clinical Research	P. SWATHI	Assistant Professor
Pharmaco Epidemiology and Pharmaco Economics	Dr. EVANGILEEN	Assistant Professor
Clinical pharmacokinetics & Pharmacotherapeutic drug Monitoring	Dr. V. ANUDEEP	Assistant Professor
Clerkship*	Dr RAVINAYAK	Assistant Professor
Project work(six months)	Dr. V.ANUDEEP/ Dr. EVANGILEEN/P.SWAT HI	Assistant Professor

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DEPARTMENT OF PHARMACY PRACTICE

A.Y 2022-23 TIME TABLE

PHARM.D VI YEAR

W.E.F: 28.11.22

COLLEGE TIMINGS:9:30AM-3:50PM

-		State of the state	Santa and the sa					
DAY	9.30AM- 10.20AM	10.20AM- 11.10AM	11.10AM- 12.00PM	12.00AM- 12.50PM	12.50PM- 1.20PM	1.20P.M- 2.10PM	2.10PM- 3.00PM	3.00PM- 3.50PM
MON	CARDIOLOG Y	NEPHROLO GY	NEUROLOGY	UROLOGY	L	CRITICALC ARE	PULMONOR Y	CASEPRESEN TATION
TUE	PULMONOR Y	CRITICALC ARE	UROLOGY	NEPHROLO GY	U	NEUROLOGY	CARDIOLOG Y	CASEPRESEN TATION
WED	CRITICALC ARE	PULMONOR Y	NEPHROLO GY	CARDIOL OGY	N	UROLOGY	NEUROLOG Y	CASEPRESEN TATION
THU	UROLOGY	NEUROLOGY	PULMONOR Y	CRITICALC ARE	С	NEPHROLO GY	CARDIOLOG Y	CASEPRESEN TATION
FRI	NEUROLOG Y	CRITICALC ARE	UROLOGY	PULMONOR Y	Н	CARDIOLOG Y	NEPHROLO GY	CASEPRESEN TATION
SAT	CARDIOL OGY	NEPHROLO GY	CRITICALC ARE	UROLOGY		PULMONOR Y	NEUROLOG Y	CASEPRESEN TATION

Monday	Dr. V.Anudeep/ Md. Aleemuddin	Assistant Professor/ Assistant Professor
Tuesday	Dr. Ravinayak/ Md. Aleemuddin	Assistant Professor/ Assistant Professor
Wednesday	DrEvangileen/ Md. Aleemuddin	Assistant Professor/ Assistant Professor
Thursday	Dr. Md.A. Azeem/	Associate Professor
Friday	Dr. M.Swathi/ Md. Aleemuddin	Assistant Professor/ Assistant Professor
Saturday	Dr. Ayesha Binth Saleh	Assistant Professor/ Assistant Professor

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PHARMAGEUTICAL SCIENCES Ounthapally (V), Abduliapurmet (M), R.R. Dist. Telangana

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DEPARTMENT OF PHARMACY

A.Y 2022-23 TIME TABLE

M. pharm I-I SEM P.ANALYSIS W.E. F: 26.10.22

COLLEGE TIMINGS: 09.30AM -03.50PM

DAYS	9:30AM- 10:20AM	10:20AM- 11:10AM	11:10AM- 12:00PM	12:00PM- 12:50PM	12:50PM- 1:20PM	1:20PM- 2:10PM	2:10PM- 3:00PM	3:00PM- 3:50PM
MON		MPAT	LAB			APA	PV	PFA(T)
TUE	MPAT (T)	PFA	AC	C-1		MPAT	APA	PV
WED	APA (T)	TEST	RM&IPR	TEST	LUNCH	LIBRARY	SEM	IINAR
THU		PFA	LAB		Bonen	MPAT	PFA	RM&IPR
FRI		SPC	ORTS			MPAT	SEM	IINAR
SAT	PFA	APA	TEST	PV(T)		LIBRARY	SEM	IINAR

SUBJECT NAME	FACULTY NAME	DESIGNATION
MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES	DR. NIHAR RANJAN DAS	PROFESSOR
PHARMACEUTICAL FOOD ANALYSIS	DR.G. SAI KIRAN	PROFESSOR
ADVANCED PHARMACEUTICAL	T.MADHRI	ASSOCIATE PROFESSOR
ANALYSIS		The second second
PHARMACEUTICAL	DR. VISHNU SRAVAN	PROFESSOR
VALIDATION	BOLLU	
RESEARCH METHODOLOGY & IPR	DR. K.BALAJI/G.SAI KIRAN	PROFESSOR/PROFESSOR
MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES LAB	DR. NIHAR RANJAN DAS	PROFESSOR
PHARMACEUTICAL FOOD ANALYSIS LAB	DR.G. SAI KIRAN	PROFESSOR
AUDIT COURSE-1	DR.B.MANJULA/ DR.NIHAR RANJAN DAS	ASSOCIATE PROFESSOR/ PROFESSOR
SEMINAR & ASSIGNMENT	DR. M.RAMAKRISHNA	PROFESSOR

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DEPARTMENT OF PHARMACY

A.Y 2022-23 TIME TABLE

M.pharm I-I SEM P.CEUTICS W.E. F: 26.10.22

COLLEGE TIMINGS: 09.30AM -03.50PM

DAYS	9:30AM- 10:20AM	10:20AM- 11:10AM	11:10AM- 12:00PM	12:00PM- 12:50PM	12:50PM- 1:20PM	1:20PM- 2:10PM	2:10PM- 3:00PM	3:00PM- 3:50PM
MON		MP-1	LAB			APP	PV	ABPPK (T)
TUE	MP-1 (T)	PFA	AC	C-1		MPAT	APP	PV
WED	APP (T)	TEST	RM&IPR	TEST	LUNCH	LIBRARY	SEM	INAR
THU		ABPPK	LAB		Lonen	MP-1	ABPPK	RM&IPR
FRI		SPC	ORTS			MP-1	SEM	INAR
SAT	ABPPK	APP	TEST	PV(T)		LIBRARY	SEM	INAR

SUBJECT NAME	FACULTY NAME	DESIGNATION
ADVANCED PHYSICAL PHARMACEUTICS	DR. VISHNU SRAVAN BOLLU	PROFESSOR
MODERN PHARMACEUTICS-1	DR. B.MANJULA	ASSOCIATE PROFESSOR
PHARMACEUTICAL VALIDATION	DR.M.RAMAKRISHNA	PROFESSOR
APPLIED BIOPHARMACEUTICS & PHARMACOKINETCS	P.LAVANYA	ASSOCIATE PROFESSOR
RESEARCH METHODOLOGY AND IPR	DR.K.BALAJI	PROFESSOR
AUDIT COURSE-1	T. MADHURI	ASSOCIATE PROFESSOR
SEMINAR & ASSIGNMENT	K.BALAJI/RAMAKRISHNA	PROFESSOR/ PROFESSOR

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PHARMACEUTICAL SCIENCES
Gunthapally (V), Abdullapurmet (M),
R.R. Dist. Telangana.



INSTITUTE







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DEPARTMENT OF PHARMACY

A.Y 2022-23 TIME TABLE

M. pharm II-I SEM P.ANALYSIS

W.E. F: 21.10.22 COLLEGE TIMINGS: 09.30AM -03.50PM

DAYS	9:30AM- 10:20AM	10:20AM- 11:10AM	11:10AM- 12:00PM	12:00PM- 12:30PM	12:30PM- 1:20PM	1:20PM- 2:10PM	2:10PM- 3:00PM	3:00PM- 3:50PM
MON		LIBRARY			LIBR	ARY	CS	STT
TUE	DISSERTA	TIN WORK	RIVIEW-II		DISSERTA	TIN WORK	RIVIEW-I	I
WED	DISSERTA	TIN WORK	RIVIEW-II	LUNCH	DISSERTA	TIN WORK	RIVIEW-I	I
THU	LIBRARY	STT	CS			LIBR	ARY	
TUE	DISSERTA	TIN WORK	RIVIEW-II		CS	STT	L	IBRARY
SAT	DISSERTA	TIN WORK	RIVIEW-II		DISSE	ERTATIN W	ORK RIVI	EW-II

SUBJECT NAME	FACULTY NAME	DESIGNATION
SCALE UP AND TECHNOLOGY TRANSFER	DR. NIHAR RANJAN DAS	PROFESSOR
COSMETIC SCIENCE	DR. B.MANJULA	ASSOCIATE PROFESSOR
DISSERTATIN WORK RIVIEW-II	DR. K.BALAJI DR.G.SAI KIRAN/ DR. RAMAKRISHNA DR.NIHAR RANJAN DAS DR. B. MANJULA DR. VISHNU SRAVAN BOLLU	PROFESSOR PROFESSOR PROFESSOR PROFESSOR/PROFESSOR PROFESSOR

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A.Y 2022-23 TIME TABLE

M.pharm II-I SEM P.CEUTICS W.E. F: 21.10.22 COLLEGE TIMINGS: 09.30AM -03.50PM

DAYS	9:30AM- 10:20AM	10:20AM- 11:10AM	11:10AM- 12:00PM	12:00PM- 12:30PM	12:30PM- 1:20PM	1:20PM- 2:10PM	2:10PM- 3:00PM	3:00PM- 3:50PM
MON		LIBRARY			CS	STT	LIB	RARY
TUE	DISSERTA	ATIN WORK	RIVIEW-II		DISSERTA	I ΓΙΝ WORK	RIVIEW-II	
WED	DISSERTA	ATIN WORK	RIVIEW-II	LUNCH	DISSERTA	ΓIN WORK	RIVIEW-II	
THU	CS	STT	LIBRARY			LIBR	ARY	
TUE	DISSERTA	ATIN WORK	RIVIEW-II		LIBRARY	Y C	s	STT
SAT	DISSERTA	ATIN WORK	RIVIEW-II		DISS	ERTATIN W	ORK RIVIE	W-II

SUBJECT NAME	FACULTY NAME	DESIGNATION
SCALE UP AND TECHNOLOGY TRANSFER	DR.G.SAI KIRAN	PROFESSOR
COSMETIC SCIENCE	DR.M.RAMAKRISHNA	PROFESSOR
DISSERTATIN WORK RIVIEW-II	DR. K.BALAJI DR.G.SAI KIRAN/ DR. RAMAKRISHNA DR.NIHAR RANJAN DAS DR. B. MANJULA DR. VISHNU SRAVAN BOLLU	PROFESSOR PROFESSOR PROFESSOR PROFESSOR PROFESSOR PROFESSOR

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A.Y 2022-23 TIME TABLE

M. pharm I-II SEM P.ANALYSIS W.E. F: 27.03.23

COLLEGE TIMINGS: 09.30AM -03.50PM

DAYS	9:30AM- 10:20AM	10:20AM- 11:10AM	11:10AM- 12:00PM	12:00PM- 12:50PM	12:50PM- 1:20PM	1:20PM- 2:10PM	2:10PM- 3:00PM	3:00PM- 3:50PM
MON		AIA	LAB			НС	NC	P.QC& QA
TUE	AIA	P.QC& QA	C	OI		AIA	НС	NC
WED	P.QC& QA	AIA	НС	TEST	LUNCH	NC	SEM	INAR
THU	P.QC& QA	LAB			Borron	AIA	P.QC& QA	нс
FRI		SPC	ORTS			AIA	SEM	INAR
SAT	P.QC& QA	НС	TEST	NC		COI	SEM	INAR

SUBJECT NAME	FACULTY NAME	DESIGNATION
ADVANCED INSTRUMENTAL ANALYSIS- I	DR.NIHAR RANJAN DAS	PROFESSOR
PHARMACEUTICAL QUALITY CONTROL & QUALITY ASSURANCE	DR.G.SAIKIRAN	PROFESSOR
HERBAL COSMETICS	DR.K.BALAJI	PROFESSOR
NUTRACEUTICALS	DR.M.RAMAKRISHNA	PROFESSOR
ADVANCED INSTRUMENTAL ANALYSIS I LAB	DR.NIHAR RANJAN DAS	PROFESSOR
PHARMACEUTICAL QUALITY CONTROL & QUALITY ASSURANCE LAB	DR.G.SAIKIRAN	PROFESSOR
MINI PROJECT	DR.K.BALAJI	PROFESSOR
AUDIT COURSE	DR. VISHNU SRAVAN BOLLU	PROFESSOR
SEMINAR & ASSIGNMENT	DR.B.MANJULA	ASSOCIATEPROFESSOR

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A.Y 2022-23 TIME TABLE

M.pharm I-II SEM P.CEUTICS W.E. F:27.03.23

COLLEGE TIMINGS: 09.30AM -03.50PM

DAYS	9:30AM- 10:20AM	10:20AM- 11:10AM	11:10AM- 12:00PM	12:00PM- 12:50PM	12:50PM- 1:20PM	1:20PM- 2:10PM	2:10PM- 3:00PM	3:00PM- 3:50PM
MON		M.P-I	I LAB	,		НС	NC	ADDS
TUE	M.P-II	ADDS	C	OI		M.P-II	НС	NC
WED	ADDS	M.P-II	НС	TEST	LUNCH	NC	SEM	INAR
THU		ADDS	S LAB	-	LUNCH	M.P-II	ADDS	НС
FRI		SPC	ORTS			M.P-II	SEM	INAR
SAT	ADDS	НС	TEST	NC	×.	COI	SEM	INAR

SUBJECT NAME	FACULTY NAME	DESIGNATION
MODERN PHARMACEUTICS- II	Dr.B.MANJULA	ASSOCIATE PROFESSOR
ADVANCED DRUG DELIVERY SYSTEM	Dr. VISHNU SRAVAN BOLLU	PROFESSOR
HERBAL COSMETICS	Dr.K.BALAJI	PROFESSOR
NUTRACEUTICAL	Dr.M. RAMAKRISHNA	PROFESSOR
MODERN PHARMACEUTICS- II-LAB	Dr.B.MANJULA	ASSOCIATE PROFESSOR
ADVANCED DRUG DELIVERY SYSTEM-LAB	Dr. VISHNU SRAVAN BOLLU	PROFESSOR
MINI PROJECT	Dr.NIHAR RANJAN DAS	PROFESSOR
AUDIT COURSE-II	Dr.G.SAI KIRAN	PROFESSOR
SEMINAR & ASSIGNMENT	Dr.M.RAMAKRISHNA	PROFESSOR

M.R.K.b HOD



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DEPARTMENT OF PHARMACY

A.Y 2022-23 TIME TABLE

M.pharm II-II SEM P.ANALYSIS

W.E. F:

COLLEGE TIMINGS: 09.30AM -03.50PM

DAYS	9:30AM- 10:20AM	10:20AM- 11:10AM	11:10AM- 12:00PM	12:00PM- 12:30PM	12:30PM- 1:20PM	1:20PM- 2:10PM	2:10PM- 3:00PM	3:00PM- 3:50PM
MON		DWR-III/DVV				DWR-I	II/DVV	
TUE		DWR-III/DVV				DWR-I	II/DVV	
WED		DWR-III/DVV		LUNCH	DWR-III/DVV			
THU		DWR-III/DVV	7		DWR-III/DVV			,
FRI		DWR-III/DVV	7		DWR-III/DVV			
SAT		DWR-III/DVV	7			DWR-I	II/DVV	

SUBJECT NAME	FACULTY NAME	DESIGNATION
	DR. K.BALAJI	PROFESSOR
	DR.G.SAI KIRAN/T.MADHURI	PROFESSOR/ASSOCIATE PROFESSOR
DWR-III/DVV	DR. RAMAKRISHNA	PROFESSOR
	DR.NIHAR RANJAN DAS	PROFESSOR
	DR. B. MANJULA/P.LAVANYA	ASSOCIATET PROFESSORS
	DR. VISHNU SRAVAN BOLLU	PROFESSOR



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DEPARTMENT OF PHARMACY

A.Y 2022-23 TIME TABLE

M.pharm II-II SEM P.CEUTICS

W.E. F:28-11-

COLLEGE TIMINGS: 09.30AM -03.50PM

DAYS	9:30AM- 10:20AM	10:20AM- 11:10AM	11:10AM- 12:00PM	12:00PM- 12:30PM	12:30PM- 1:20PM	1:20PM- 2:10PM	2:10PM- 3:00PM	3:00PM- 3:50PM
MON		DWR-III/DVV				DWR-II	I/DVV	
TUE		DWR-III/DVV				DWR-II	I/DVV	
WED		DWR-III/DVV		LUNCH	DWR-III/DVV			
THU		DWR-III/DVV			DWR-III/DVV			
FRI		DWR-III/DVV			DWR-III/DVV			
SAT		DWR-III/DVV				DWR-II	I/DVV	

SUBJECT NAME	FACULTY NAME	DESIGNATION	
	DR. K.BALAJI	PROFESSOR	
	DR.G.SAI KIRAN/T.MADHURI	PROFESSOR/ASSOCIATE PROFESSOR	
DWR-III/DVV	DR. RAMAKRISHNA	PROFESSOR	
DWK-III/DVV	DR.NIHAR RANJAN DAS	PROFESSOR	
	DR. B. MANJULA/P.LAVANYA	ASSOCIATET PROFESSORS	
	DR. VISHNU SRAVAN BOLLU	PROFESSOR	

MR.Kill



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R.R. Dist. Telangana.







COURSE FILE

SUBJECT: HOSPITAL PHARMACY ACADEMIC YEAR: 2022-2023

NAME OF THE FACULTY: Dr. RAVINAYAK

DESIGNATION:

ASSISTANT PROFESSOR

DEPARTMENT:

PHARM.D

YEAR:

IV YEAR



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CourseFile Index

S. No.	ITEMDESCRIPTION
1	VISION AND MISSION
2	COURSE OUTCOMES
3	COURSE SYLLABUS
4	LESSON PLAN
5	ACADEMIC CALENDER
6	TIME TABLE
7	LECTURE NOTES
8	UNIVERSITY QUESTION PAPER
9	INTERNAL QUESTION PAPER
10	INTERNAL QUESTION PAPER WITH ANSWER KEY
11	ASSIGNMENT QUESTION PAPER
12	STUDENT ASSIGNMENT
13	RESULT
14	ATTAINMENT

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COURSE FILE COURSE DESRIPTION/COURSE INFORMATION SHEET

NAME OF THE DEPARTMENT: PHARM.D

COURSE TITLE	HOSPITAL PHARMACY				
COURSE CODE	PD402				
REGULATION	20GN		YEAR/SEMESTE	ER IV	
COURSE STRUCTURE	LECTURES	TUTORIAL	S PRACTICALS	CREDITS	
	3	1	3	4	
COURSE TEACHER	Dr.RAVINA	YAK			
NO.OF HOURS ALLOTED PER	LECTURES TUTO		TORIALS I	PRACTICALS	
WEEK	3	1	3	3	

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1.VISION & MISSION OF THE INSTITUTION

VISION	TO DEVELOP HIGHLY SKILLED PROFESSIONALS WITH ETHICS AND HUMAN VALUES
MISSION	WE ARE COMMITTED TO PROVIDE A POSITIVE AND PROFESSIONAL LEARNING ENVIRONMENT WHERE ALL STUDENTS ARE INSPIRED TO STRIVE FOR EXCELLENCE IN ORDER TO ACHIEVE THEIR POTENTIAL AS DIGNIFIED AND COMPETENT PHARMACISTS, TECHNOLOGY INNOVATORS, MANAGERS AND LEADERS IN GLOBAL SOCIETY THROUGH A COHESIVE NETWORK THE PARENTS, STUDENTS, COLLEGE STAFF AND INDUSTRY.

COURSE HANDOUT

- PROGRAM OUTCOMES & PROGRAM SPECIFIC OUTCOMES (POs) & (PSOs)
- COURSE OUTCOMES(COs)
- **DETAILED SYLABUS**

Programme Outcomes (POs) and (PSOs)

PO 1 Pharmacy Knowledge: Provide high quality, evidence-based, patient-centeredcare in cooperation with patients, prescribers and members of the inter professionalhealth care team

PO 2 Practical Skill: Demonstrate mastery and application of core knowledge and skills in relation to the evolving biomedical, clinical, epidemiological and social-behavioral sciences.

PO 3 Professional Identity: Evaluate practice and care, and promote continuous improvement in one's own patient care and pharmacy services

PO 4 Problem Solving: Demonstrate self-calibration skills and a commitment to the lifelong learning needed to provide high quality care

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PO 5 Communication: Effectively utilize information, informatics and technology to optimize learning and patient care

PO 6 Planning Ability: Demonstrate effective interpersonal written and verbal skills, adapt to socioeconomic and cultural factors as well as situational applications

PO 7 Leadership Skills & Team Work: Demonstrate exemplary professional, ethical and legal behaviors, complying with all federal, state and local laws and regulations related to pharmacy practice

PO 8 Life Long Learning: Demonstrate awareness and responsiveness to the system of health care, effectively utilizing systems of care to provide cost-effective, optimal care

PO9 Pharmaceutical Ethics:Honour personal values and apply ethical principles in professional and social context. Demonstrate behavior that recognizes cultural and personal variability in values, communication and life styles.

PO10 Pharmacist and Society: Apply reasoning informed by the contextual knowledge to asses societal, health, safety and legal issues and the consequent responsibilities relevant to the profession.

PO11 Environment and Society: Understand the impact of professional pharmacy solutions in societal and environmental context and demonstrate the knowledge of, and need for sustainable development.

PSO1: Able to apply the knowledge gained during the course of the program in drug discovery and development, their safety and efficacy and current technologies in Pharmaceutical industry

PSO 2:Able to apply the knowledge of ethical and management principles required to work in a team as well as to lead a team.

PSO3: Able to do multidisciplinary jobs in the pharmaceutical industries and would be able to write effective project reports in multidisciplinary environment in the context of changing technologies.

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PUNTNEPAL

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Course outcomes(COs)

CO1:To know various drug distribution methods

CO2: Know the professional practice management skills ion hospital pharmacies

CO3: Provide unbiased drug information to the doctors

CO4:Know The Manufacturing Practices Of Various Formulations In Hospital Set up.

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AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES (Approved by PCI, AICTE & Affiliated to JNTUH)





Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.

Detailed syllabus

ГОРІС1	Hospital - its organization and functions
ГОРІС2	Hospital pharmacy-organization and management a) Organizational structure-Staff, Infrastructure & work load statistics b) Management of materials and finance c) Roles & responsibilities of hospital pharmacist
торісз	The Budget – Preparation and implementation
TOPIC4	Hospital drug policy a) Pharmacy and Therapeutic committee (PTC) b) Hospital formulary c) Hospital committees - Infection committee - Research and ethical committee d) developing therapeutic guidelines e) Hospital pharmacy communication - Newsletter
TOPIC5	Hospital pharmacy services a) Procurement & warehousing of drugs and Pharmaceuticals b) Inventory control Definition, various methods of Inventory Control ABC, VED, EOQ, Lead time, safety stock c) Drug distribution in the hospital i) Individual prescription method ii) Floor stock method iii) Unit dose drug distribution method d) Distribution of Narcotic and other controlled substances e) Central sterile supply services – Role of pharmacist
TOPIC6	Manufacture of Pharmaceutical preparations a) Sterile formulations – large and small volume parenteral b) Manufacture of Ointments, Liquids, and creams c) Manufacturing of Tablets, granules, capsules, and powders d) Total parenteral nutrition
ТОРІС7	Continuing professional development programs Education and training
TOPIC8	Radio Pharmaceuticals – Handling and packaging
TOPIC9	Professional Relations and practices of hospital pharmacist

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AVANTH! ASSISTITUTE 20F

AVANTH! ASSISTITUTE 20F

PHARMACIAN ASSISTITUTE 20F

Cunthapally Assistant (M),

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Text books (Theory)

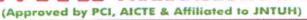
- a. Practice Standards and Definitions The Society of Hospital Pharmacists of Australia.
- b. Basic skills in interpreting laboratory data Scott LT, American Society of Health System Pharmacists Inc.
- c. Biopharmaceutics and Applied Pharmacokinetics Leon Shargel, Prentice Hall publication.
- d. A text book of Clinical Pharmacy Practice; Essential concepts and skills, Dr.G.Parthasarathietal, Orient OrientLangramPvt.Ltd. ISSBN8125026

References

- a. Australian drug information -Procedure manual. The Society of Hospital Pharmacists of Australia.
- b. Clinical Pharmacokinetics Rowland and Tozer, Williams and Wilkins Publication.
- c. Pharmaceutical statistics. Practical and clinical applications. Sanford Bolton, Marcel Dekker, Inc.

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LecturePlan

S. No.	Торіс	No of Lecture Hours	TeachingLearning Process
	TOPIC 1		
1	Hospital - its organization and functions	organization and functions PowerPoint Pres	
	TOPIC 2		
4	Hospital pharmacy-organization and management a) Organizational structure-Staff, Infrastructure & work load statistics	3	PowerPoint Presentation
5	b) Management of materials and finance	2	PowerPoint Presentation
6	c) Roles & responsibilities of hospital pharmacist	2	Chalk & Board
	TOPIC 3		
7	The Budget – Preparation and implementation	5	PowerPoint Presentation
	TOPIC 4		
8	Hospital drug policy	3	PowerPoint Presentation
9	a) Pharmacy and Therapeutic committee (PTC) b) Hospital formulary	2	Chalk & Board
10	c) Hospital committees - Infection committee - Research and ethical committee	1	PowerPoint Presentation
11	d) developing therapeutic guidelines	1	PowerPoint Presentation
12	e) Hospital pharmacy communication - Newsletter	1	Chalk & Board
	TOPIC 5		

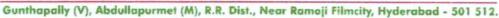
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** ABDULLARINE

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(Approved by PCI, AICTE & Affiliated to JNTUH)





13	Hospital pharmacy services a) Procurement & warehousing of drugs and	1	PowerPointPresentation
10	Pharmaceuticals		
14	b) Inventory control Definition, various methods of Inventory Control ABC, VED, EOQ, Lead time, safety stock	3	Chalk&Board
15	c) Drug distribution in the hospital i) Individual prescription method ii) Floor stock method iii) Unit dose drug distribution method	2	Chalk&Board
16	 d) Distribution of Narcotic and other controlled substances 	1	
17	e) Central sterile supply services – Role of pharmacist	2	
	TOPIC 6		
18	Manufacture of Pharmaceutical preparations a) Sterile formulations – large and small volume parenteral	3	PowerPoint Presentation
19	b) Manufacture of Ointments, Liquids, and creams	3	PowerPoint Presentation
20	c) Manufacturing of Tablets, granules, capsules, and powders d) Total parenteral nutrition	5	Chalk&Board
	TOPIC 7		
21	Continuing professional development programs Education and training	6	PowerPointPresentation
22	Radio Pharmaceuticals – Handling and packaging	7	PowerPoint Presentation
	TOPIC 8		
23	Radio Pharmaceuticals – Handling and packaging	7	PowerPoint Presentation

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R.R. Dist. Telangana.

TOPIC 9		
rofessional Relations and practices of hospital harmacist	6	Chalk&Board

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Evaluation scheme:

Theory

Maximum Marks For Theory	Total
Examination	70
Sessional	30
Total	100

COURSE OBJECTIVE:Upon completion of the course, the student shall be able to –

- a. Know various drug distribution methods;
- b. Know the professional practice management skills in hospital pharmacies;
- c. Provide unbiased drug information to the doctors;
- d. Know the manufacturing practices of various formulations in hospital set up;
- e. Appreciate the practice based research methods; and
- f. Appreciate the stores management and inventory control.

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PHARMAGEURIST SCIENCES

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R.R. Dist. Telangana.









DEPARTMENT OF PHARMACY PRACTICE

A.Y 2022-23 TIME TABLE

PHARM.D IV YEAR

W.E.F: 28.11.22

COLLEGE TIMINGS:9:30AM-3:50PM

DAY	9.30AM- 10.20AM	10.20AM- 11.10AM	11.10AM- 12.00PM	12.00AM- 12.50PM	12.50PM- 1.20PM	1.20P.M- 2.10PM	2.10PM- 3.00PM	3.00PM- 3.50PM
MON	CT	B&RM	P.THER-III	HP	L	BPK (T)	TEST	СР
TUE	BPK	P.THER-III (T)	СР	TEST	U	B&RM	HP(T)	CT
WED	P.THER- III		SEMINAR		N	HOSPITALVISIT(P.THER-III)		
THU	P.THER- III	HP	HP	СР	С	LIBRA	RY/SPORTS	
FRI	CP(T)	I	IOSPITALVISI	Т	Н	HOSPITALVISIT		
SAT	B&RM		BPK	٠		BPK	TEST	СТ

SUBJECTNAME	FACULTYNAME	DESIGNATION	
Pharmacotherapeutics-III	Dr . V. Anudeep	Assistant Professor	
Hospital pharmacy	Dr Ravinayak	Assistant Professor	
Clinical pharmacy	Dr . MD.Abdul Azeem	Associate Professor	
Biostatistics and Research methodology	Dr .MD.Aleemuddin/ K.Vimala	Assistant Professor	
Biopharmaceutics and pharmacokinetics	T. Mahender	Assistant Professor	
Clinical toxicology	P. Swathi patel	Assistant Professor	
Pharmacotherapeutics-III Lab	Dr . V. Anudeep	Assistant Professor	
Hospital pharmacy Lab	Dr Ravinayak	Assistant Professor	
Clinical pharmacy Lab	Dr . MD.Abdul Azeem	Associate Professor	
Biopharmaceutics and pharmacokinetics Lab	T. Mahender	Assistant Professor	

HOD

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Committed to Excellence in Technical Euritage Ro Dist. Telangana.

Avanthi Institute of Phrasmaceutical Sciences Mid-1 Assignment-1

Name: B. Saimanisha

class: phramb IV year

Rollino: 1961NIT0002

Subject: - Hospital phromauy

Topic pharmacy E/ Therapeutic Committee

Submitted to Da. Ravinayak.



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Pharmacy And Therapeutic Committee A large number of hospital patients exceive daugs & medicines, essentially those belonging to the modern System of medicines popularly known as Allopathic System as major part of treatment for disease.

Done of the Method or mode of ensuring the proper nationally in the use of changes is that hospital organize & Constitute the pharmacy & Therapeutic Committee.

Def. The Phanmacy & Themapeutic Comittee is policy-framing & necommending body to medical staff & administration of hospital on matters nelated to themapeutic use of daugs.

The Committee is Compared of physicians, pharmacists & other health proffessionals Selected with inclusions of medical staff.

Objectives of the PTC:

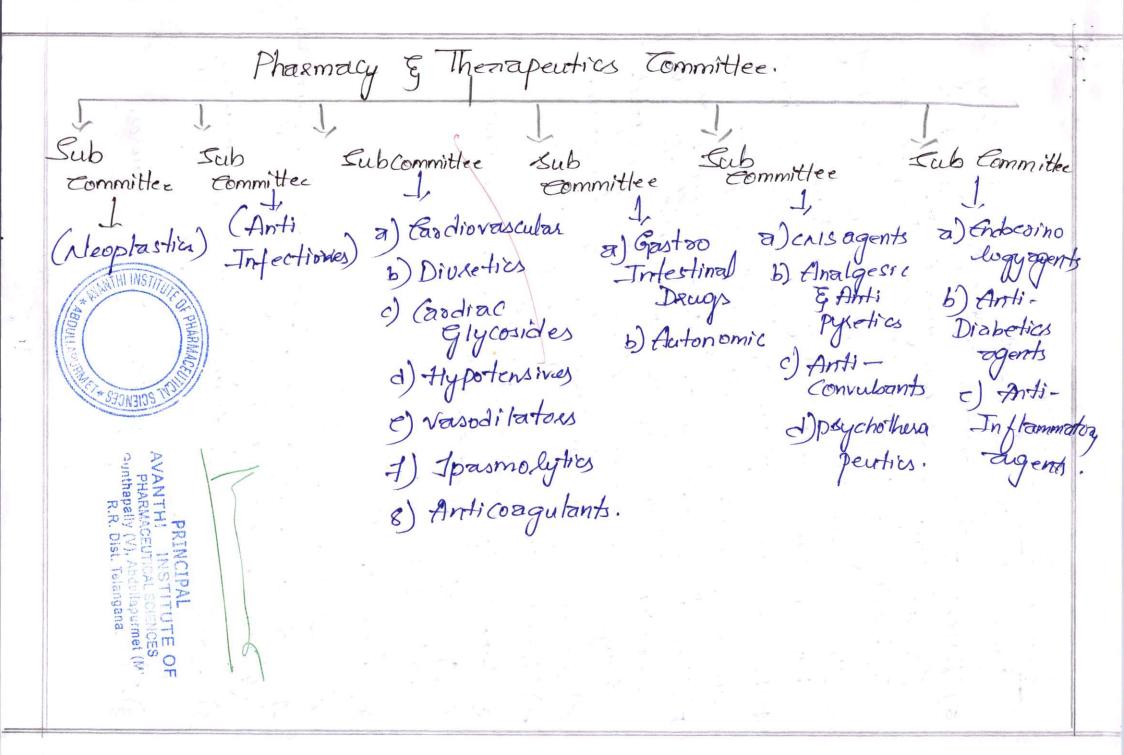
The PTC has 3 major notes to play They are;

i) Advisory 2) - Educational 3) Drug safety &
Adverse drug Monitoring.

Advisory: The Committee secommends the adopted of policies on assits in formulation of booled professional policies segunding Evaluation, Selection & Themapeutic Use of draight in the Hospital.

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=> Drug Safety & Adverse drug Monitoring = The function is assigned to or taken up by the PTC it Should be Continued Scheme of Exerting vigitine Dang Safety & Adverse dang monitoring with the advert & increase of each new class of therapeutic agents the scope, knowledge & nesponsibility of hospital phaimacist increase proportionately. -> Now the safety aspects are more or lens taken for granted by pharmacy, medical & nursing staff. Composition of PTC := PTC consists of; i) At least 3 physicians from the medical staff ii) one phanmacist iii) A one alwasing statt iv) A hospital administrator & Ex-officio member Of the committee. A physician may be appointed as chairman of PTC & Pharmacist member as secretary of Committee These are approximately six meetings lyear of the PTC. -> PTC is appoints by Governing body I board of toustees. -> PTC is appointed by for better control over moutine service provided by hospital. There are few Compositions of pharmacy & Therapeutica Committee PRINCIPAL AVANTEL INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapaliy (V), Abdullapurmet (M), R.R. Dist. Telangana



4) Evaluating & providing deugs too formulary & providing for its periodic newsion-5) Managing Adverse dung reactions. 6) Managing medication torons. a) promoting over-all health benefits. 8) periodic Education to medical gnon-medical Staff about current situations & issues. 4) Regulating the day Inventory of Hospital 10) Specifically controlling abarcotic Medication. 11) Control aver otc medications Eg: Acetaminophen 19) Deciding daugs List of Emergency Operations g other department. 13) Effective implentmentation of Dung policy in 14) Détect & prevent deug Interactions. Pole of PTC in Daug-Safety; Daug safety includes responsibility from dispensing daugs to daug administration then observe possible ADR 1) The hospital most compley analytical atteast a registered pharmaust With MINSTITUTE OF degree thief phasmands - almost man holdes (M). 2) The hospital should not permit mon-phaumauist personnal to dispense durings albed marterials. 3) A Sufficient number of qualified pressonnal.

ASSIGNMENT-2

Name :- V. Swetha

class = Pharm-D IV year

ROII NO :- 19 GNIT0029

Subject: - Hospital pharmacy [mid-I]

opic :- Manufacture of vintments, Liquids, creams.

Submitted to Dr Ravinayak



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R.R. Dist. Telangana.

Manufacture of Ointment's, Liquid's, evean's.

Manufacture of vintments	ts:
--------------------------	-----

O Trituration method:

⇒ It is mainly used for preparation of soft ointment's in a small scale industry

>) It has mainly @ method's =

=> ointment slab

> motor and pestle method.

ointment sloub l'evigation:

@ Motor and pestle

finely powder the medicament and place it on a clean ointment tile

weigh required quantities of vintment base and keep on one different part of slab

Take a portion of base of about 3 times volume of drug and revigate it with help of ointment.

Ex: supper ointreat.

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This method is used for large quantities

- 3 chemical reaction:
- ingredient of the base.

CREAMS?

- -> (neams are viscous emulsion's of semisolid consistency, intended for external application) to the skin or mucous membrene.
- > They are of @ types:
- 1) Of type cream (aqueous cream)
- @ Wo type cream (oily cream)

oily creams consist a we type emulsifying agent.

=> Ex: Wool feet, alcohol, feetty excids.

Aqueous creams consist of ofw type emulying agent

requeous creams consist of ofw type emulsifying agent

Ex: Emulsifying work, Tweens, fatty reid

preparcetions involve seperceting the formula componentions two portions:
Liquid and Lipsel.

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The raw material's used are:

vohicle - water, alcohol

- solubiliser - cyclodextrin

- Stabilizer - EDTA

- preservatives - pravabenos

- viscosity madifiers - Xanthum gum

- Duffer - citrate and Acetak buffer

- I sotonicity agents - Dextrose,

gel,

manufacturing?

- All the required raw moderials according to the master formulary could were weighed and sitted to break large lumps.

1

- Required volume of which is measured and transferred to stainless steel mining tent.

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pharmaceutical preparations for treatement of conditions such of vashes, skin svritation, stings; funged intections etc. are rormally supplied in the form of a cream or ointment of the sociales an effective means of delivering area.

products an be either a water in water in oil in water emulsion, consisting of waxes, emollients and lubricants dispersed in an ail phase and water phase containing emulsifying, stubilising and thickening emulsifying, stubilising and in some cases, agents, preservatives and in some cases, colorant.

in either phase or added when the emakin has been formed and allowed to cool.



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Gunthapally (V), Abdullapurmet (M), R.R.Dist

IV-Year II-Mid Internal Examination

Subject: HOSPITAL PHARMACY

Time: 2 hr Marks: 30

Answer any Six Questions. Each question carries equal marks

- 1. Define hospital. Write the different classifications of hospital.
- 2. Write the roles and responsibilities of hospital pharmacist both inpatient and out-patients.
- 3. Define budget. Explain the classification of various types of budget preparation.
- 4. a) Write about the objectives of material management.
 - b) Describe the organisation and functions of hospital.
- 5. Write about the functions of hospital pharmacy. Set up of hospital pharmacy.
- 6. a) Define budget implementation. Advantages and disadvantages of buget.
 - b) Explain in detail about different services and staff of hospital.
- 7. Write about the management of materials and finance.
- 8. a) Write the workload of hospital pharmacist based on number prescription flow.
 - b) Explain about the 600 beded hospital and its layout.

Sea Laboration

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Gunthapally (V), Abdullapurmet (M), R.R.Dist

IV-Year II-Mid Internal Examination

Subject: HOSPITAL PHARMACY

Time: 2 hr Marks: 30

Answer any Six Questions. Each question carries equal marks

- 1. Write the constitution and functions of pharmacy and therapeutic committee.
- 2. Write a note on hospital pharmacy communication newsletter.
- 3. Define Drug distribution.write about drug distribution system of in-patients and out-patient.
- 4. Write about the following committees;
 - a) Infection Committee b) Research and Ethical committee
- 5. Write about the manufacturing methods of i) ointments ii) Granules.
- 6. Define Inventory Control. Mention different types of inventory control techniques. Explain ABC Analysis.
- 7. Definition of TPN. Explain procedure of TPN.
- 8. i) Write the difference between large volume and small volume parenterals

MARAILLEARE

ii) Developing therapeutic guidelines.

R.R. Dist. Telangana

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INTERNAL DISCRIPTIVE EXAM

Subject: Saimanisha

Rollno: 196NIT0002

class: phasmo Iv year.

Subject: Hospital pharmacy,

offerent classifications of hospital:

clinical booses

Hospital classification

miscellenous type

System based wie in

.) clinical based classification includes: 2 1 and blooms stand

a) Mater noty hospital

raphly deals with the child birth, women case during pregenancy and

b) suspical based:

It shouldes : coodidagy

cardio thoraclas surger

pental suggery

Neudogy

Kichey stogeof

Layropharingel related.

-> This surgical based hospitals mashly deals with the surgeres of

glander of war to the test of the test of the test of the

suggest pased

Gottiema oxed inches.

with special tour Date: 03/01

Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana

- 1) Ayuavedic hospitals a roadment according to indian ancient scalable
- e) Home pathy hospitals recatment according to german and Roman cuther
- 8) unant hospitals -> rocatment according to apabic system of medicine
- u) Notwoopathy hospitals.
- 4) miscillenous hospitals:
- , It shouldes accordiated and non accordiated hospitals
- 7 Also categorosed by bed 853e (50,100,160,300,600)

Functions of hospital :-

- 1) Hospital can provide better health care services towards patients
- 2) Hospital should montain day utilization, day maintoning searce day usage among the hospital.
- 4) Hospital should Bllaw the parter ("pharmoceutical case sedices")
- u) Hospital maintain proper accords of rationts like health history, medicali history, family history et
- 5) Hospitals should bollow NMC dies and guadlines.
- 6) Hospital by viate they posice case sessions to patients.
- 7) Hospitals should maditalin province envisorment, scantization tele
- 8) Hospitals should be pource better treatment appropriates towards Pakents.
- 9) En hospitals the working staff should moistain liason with patients and health case moundes.
- 10) Hospital's maintain hygeine conditions, paper bed strongth to meet the pakent occurrents.

in in

- Hospital pharmacy is defined as. It is a department in which the dis procured, preserved, stored, compounding, assayed, manifectured, pispersing, packing, pistoibuted to both impatients and out rationts in presence of regardy availified pharmacist is generally known as hospital pharmacy. And also related to education and reasolute.
 - -> The 1st resen to established hospital phasmay is Johnam Robert in colonial america spennysivina 1795.
- > In India to was established by S.H. merchant in K.G.H hospital mumber in 1974.

Roles and sesponsibilities of hospital phasmacist: -

- ·) Hospital pharmacist should maintain l'abien blu rakent ord other health care providens.
- 2) Hospital pharmacist should maintored the dispensing of medicines to b in-patient and out patients.
- 3) Hospital pharmacist should maintain records to note dawn in Romation 1 ration & the pharmacist condition, his boy of patient. Family his boy.
- these medication.
- 5) Hospital pharmacist by violate of his profession maintain latibility, motivate, awardess towards patient.
- 6) Hospital Pharmacist by viouhe of his trade and busisness, disperse medications towards right patient, right the right obse, At Right Price.
- 7) Hospital pharmacist depetates the amount of medicines should be dispersed in rakent and out rakent blocks and second the rough inhoma according to hospital management als PMARILLY Talangana.
- 8) Hospital Pharmacist Should shirtly Blows 7 at that Pasticular

a) 3AA. Budg

Budget:-

This mainly involved in hospital mangement, hospital expendix medicine managements comparable and staggetic plans, mainly are towards kneial terms is known as budget.

Budget of massly 2 types

1) Shoot toom budget > outation of 2 yours.
2) Long team budget > outation of 5-10 you.

Types & oivisions of budget:

-) Income budgest Revenue budget 19 300
- 2) Expenditure budget
- 3) Asking Bo capital investments

3 types of budgets

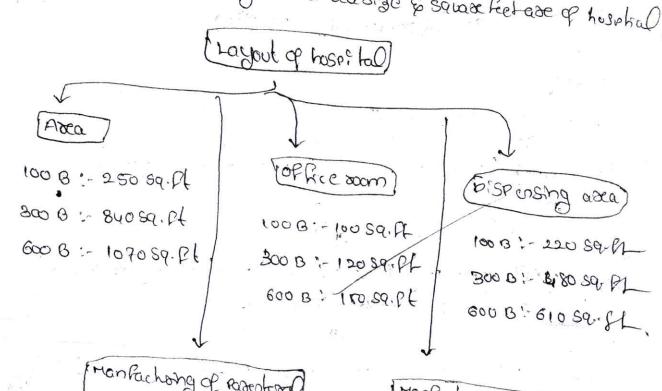
Himacha Indiason

- 1) Income budget l'Revonce budget :.
- +) rotal cost of the budgest which is smalled of danning of hospital needs and semating works.

massly of closely moss books.

- 1) Avg salady per prescription per day
- 2) Aug prescriptions per dispensing Port day
- 3) Parscontin Flow per day
- u) pispersing of medicines both in patients & out patients pe
- s) roescontion & ration can be day
- 2) Expenditure prédenti.
- The mainly focus on the expenditures of the hospital disting patien mangement and dispensing of medicates and other seauroments which have need to hospital.

- > Good health provided towards public by bained ressons.
- « Layout of a 600 bedded hospital:
- > Layout of the any hospital atleast requires minimum of 200 sq. Pf
- According to asea's their bed size hospital's are categorier into small hospital imedium hospital end large haspitals.
- -> In 600 beded hospstal nearly 15 pharmacists are required.
- of Flow chast explains layout and bed size & squax Fretade of hospital



manfachong of Rasenteral

too 8 :- 100 sq.pt

300 B: 400 Sq. PL

600 B: 550 S9-R

Mankachong cf dispensing mediahrus ara

100B: - 220SaR

3008: 28089. }

as well incoments. massly mossibility both sucare budget and expends has budget and mais tax the bidget by decorasing costs + Also they should possible ord they be theo equiments tours de hospital & rationts needs. " Budget Pæpavakon: -· Extranal schores · Internal saxes peveloment bends tawals hose tal development · mashtas tooppase Final output. Printers years Budget · Requires docembak poepazakon cuidence · Parase Rhoe Plans Necessaay aeneral reautisments deauroments Mashly the Blianty steps are shrowed in budget preparation: mercalion of quotation towards basic & necessary needs of hospital propriacy by staff and other sequence officers. . After that they more proposal towards higher officers in order to dissever in beth disectors After they are also arranged to this qualation of wage Should submit the budget in docapita Promot Telstogere Dally. Known as - ovall budget. After that all technical approprients are & producers are Bunned and mullo H. 1.1.11

- * Disadvantages of budget packaghen & implementation
- ilitis very time taking paccess.
- 2) Both man Rues ord system handling process are very length ord shoes full works.
- 3) may be data will be tous fexed to 3 de parties.
- 4) Data will be changed by Peosons.
- 5) Budget expensives and costs, mame may be changed either low and high by pessons.

3 An6:

Budget implementation: -

Budget Emplementation is defined as "act of carrying of the plans projects & developments according to the strages i plans which are implemented.

Budget Emplemtation by Rollaung steps:

- 1) Planning & producedox of budget
- 2) stægic Plan houcods implemes kon
- 3) Mangement of the Encome savics
- 4) monhong the income expendixhors.

& Management of materials & Rinonce.

1) Management of materials & linace

By strange and pacument of the dought they are mossibled

high experdition shows on 1

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Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.

INTERNAL DISCRIPTIVE EXAM

Subject: Hosestal pharmacy

Date: @B/01/22
Invigilator Signature

Impostance of budget recensifier & implementation! -

- *) By packaging budget they know how much amount to be managed towards expenditure, income and asking ho capital investments
- 2) Also Br. income tax documentation, It IT files ele.
- 3) By budget preparation they are also mobilitizing excentilluse cost, income and profits.
- u) by poertising budget they are also much aware of the expenditive cost, salaries, wages to staff, shaft count, administration of the hoseifal.

Advantages of budget recrasation & implementation: -

- -> They need information & previous hours to SPAL OF TUTE OF PHAR SUCKES -
- They closely mornholog equinerts sounded, Gunthapully (1). Abdullapurmet (1)
 on benspearst manner
- They planned fuhre plans, thought was rasjects etc Bo their growth and development.
 - -> They should also doucementation esidences his income taxes and

or ganization of on bedded hoses had organization of 600 bedded hospital Beroald of - obsector . Camang the hospital cidministration Exceptive area about then Dochos ate medical other staff the Bureon dest Resident dochos. asea non resident doctos Associate dochos Susferd Radiology Honusable dockers Mash 000 therefac surgery 39 mediche pisposing Lashotheriac Svogery pharmacy 88 1 Amublance other rasamedial ENT Dental Susgery Sevenies pigonsi his seavices Parolons Bola plastic suggesty Kitchen, landry. bereages. 1094 Aneastheia 0 case Smert

11.

14

- with duchos and collect the consider history of rakent, medication
- theo desage and dispersion of medicines.
- 3) Hospital pharmacist regulates the medication sulply tauxods for
- medication and usages, side coffe to.
- 5) Huspital pharmacist should observe the day interaction, adverse
- 6) Hosrifal pharmacist closely mountaing the extremporaris parporalis
- manafehrolog of the dusage poeparations.
- 8) Hospital pharmacist closely mainly parkage of the exeparation and their exemplanta ness.
- 9) Hospital pharmacist play's an istal sote to making the hospital
- 16) Hospital pharomacist manifer liabor with public leakents of
- Staff towards medicines one not grand proper coles in prosess part of the fined and proper coles one (M).
- (2) Hospital pharmacist that manhab better pharmacerical

RESEARCH (Approved by AICTE, Recognised by Govt. of T.S., & Affiliated to JNTU, Hyderabad) Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512. INTERNAL DISCRIPTIVE EXAM DATE: 03-01-23 NAME: B. Salmanisha Subject: Morpital phoening ROLL No: 19 GIN ITOGOZ SIGNATURE OF THE CLASS: Pheemin D. IV year SEM -INVIGILATOR'S:.... SIGNATURE OF THE TOTAL MARKS Inventory control: Inventory control is defined as maintaining the stock by companines snowles to view of demand of rations and availabilly of the stock, to ratients in minimum effective cost is known as inventory control. * offerent types of muchtory control techniques:-) ABC (Always beller control) analysis 2) VEO (Vital, essential, desirable) 3) ECQ (Economic order avanity) oifferent types of inventory u) read time control techniques. 5) Minimum stock level 6) Maximum stock revel 7) Offerential Enventury control * ABC (Always better control) analysis PHARMA PRINCIPAL > A > Always Gunthapally (V). Abdullapurmet (M). AVANTH! R.R. Dist. Telangana. 0 > Octter analysis > ABC analysis is an one of the Muentony control lechniques which is the best one and pooreding minimum cost effective days to the patients. > ABC analysis categorized in a types.

A > high value days

they are catagorized sato rescentage of stems, and expenditive of the days.

calegory	1. Flems	Expends have.
A	10-25-10	70%
. 3	20-30-1	20%
c	60-80.1.	10 %

→ In this Acc analysis:-

category A: - contains less numbers of items but their cost expensed has usu be more. Because of that days are vital days, and they are maintain at higher prices and environment.

category B: - It contains moderate items, and there cost of expend in these will be also moderate. They are regularly used days and they are targeted marry regular based usage patients.

category c: - It contains move no of stems and their cost of expendix hor will be low. They are maintained at low cost and daily basis to dispense to patients.

Masnly or days are paly vital ade in this category.

⇒ In ABC analysis also known as "SIM Csystem frictory method"

* In obder of cost & expenditure, Arc analysis Rollans a theory "vitals Rew, torval more"

To the forentary control system, Accordings is test method ord widely used method out the minimum effective, cost sound in the principal solences.

Procument of days, handing of days pharmaceurical solences pharmaceurical solences.

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	INTERNAL DISCRIPTIVE EXAM	
Sul	bject:	Date: 03/01/23
•		Coulty!
		Invigilator Signature
-	=> management of materials and finace by friventry Inventral control:	contoul me thous
•	In this system of medicine distribution at low cost to the right posson, right time, to right dose, right => It Ps regulated by 3 methods:	, now expenditho
5	1) ABC analysis 3 methods hor 2) VEO analysis makerials & makerials & pharmacy.	managing of chance in hosp
	1) ABC analysis (Always believ control): -	
- Anna Carlotte Comment	1) It cares not of the cares 201. of protocol income total income AVANTH'S gunthapally R.R.	INCIPAL UTE OF HISATITUTE OF H
	a) I - man in a large of the contract of the c	total expendixh
	3) This one requires highly 3) this one requires 3; qualified shaff to moderate / rem? dispensing skilled presents	People Lispen

skilled poering

Crasiable (vegy, essential, pestoable)

" U+ If this items are not prefert in hospital; the achily of hospital can't Rickon.

"E" - If this terms I dougs I medicane le mot present sligh I tepe the hospital Porchion, hospital will be out but a cally of mediche Services decrease,

"O" > If days are absent not effect the Rospital Encha

3) to a chalysis!

(EOQ = $\sqrt{2} P8/AQ$

and dispensing knacical states of dogs by procuring the dows

Manufacturing methods of oritmonts. i) Thurahan method 2) Fusion method p u methods Bo manufactiong of ontments. 3) chemical reaction method u) emulishication method 1) Titusation method: In this method, the ofntment base is soft and medicamement mixed thoughly with ointment base by revigation method. > 9 oth orntment base and medicament taken on outment slab along with oinhment mixing knife they are mixed throughly. Ext. - cetostesquel alchall based Somment I. P 500 mg 2) Fusion method: In this method massly; mixed based on their melting posits. - High melting points ingredients are row on china dish and then now melting robit ingridents incoder to mix property and avoiding overlin of Engacidents. -> They are fised at an certain temperature range of 40°c to 80°c 3) chemical acachion methodi In this method of ments are mankachized by chemical reachers. massly notassium socides are used. like KI, KI2, KEIKKI. Kill Kzilet. CH3 ECH = CH (CH3) - CHYACHTH' + KINCIPAL OF CH3-CH = CH - CH2-C R.R. Dist. Telangana. CH3

In this method all figuidants are mixed at an temperature of 70'c the At that temperature based on olw emustion, who emustion bases they adeemusified and premass offment. x manufactusing methods of graynles: blending to grandens DiBre Arkons and dispersion of Folicke asintegan was contosolvent 0000 Ruching, Rickagfing of the tablets contacker, mixty, blooding Connection D. SSRJUD 4 Panole S Day gramlation wbsicant assant PRINCIPAL AVANTH Gunthapaliy (V), Abdullapurmet (M), R.R. Dist. Telangana. 2886

> PTC is defined as, it is an seforming tody which give the suggestion to the doctors and other case professionals towards the day safely doses and utilization. The office the costain guideliness to dochos, pharmacists & number and other medical administrators, on day dusc safely. consistution of the pic:-The constitution of the pri includes: -1) Alleast of minimum 3 physicians 2) one pharmacist constitution of the prc 3) one nusse from administration Encludes this members. u) one hospital administer. > In this one of the physician becomes a charmon of the committee and remaining members are co-chairman's of the committe. > The sole of secreating should taken by pharmacist in this committe. and Jo. Pharmacists and remaining pharmacists acts as co-secretize -> The medical administras paly g a sole of practor to this committee as an ex-office mamber, medical administators 3 physicans Pharmacist Secration one is chaseman ofachoo Josht seconbay co-charoman's INSTITUTE OF AVANTH! Gunthapally (V), Abdullapurmet (M), It includes subremmitee's of PTC.R. Dist. Telangana.

) pro generally regulates the committee members agenda & meetings held an every 6 months Rs reviewing agenda's.

The same of the complete complete ?

- 2) PTC should give better directions of day's to doctors to control average of days.
- 3) Pic should referres any ADR'S, day hteractions Rund in beatment they refer to doctor to check out.
- u) PTC regulates the doclars / physican's in active to Gliau their prohocal's of drag handling not by ducho's popular decisions.
- 5) This committee manihor the Adverse effects, while alicn; applicacy of the days.
- 6) FTC may refrom any Romacf day combination with proper evidences
- to decoase acousage of the mappinhe days.
- 8) PTC POUVICLES and obless the medical staff chioses & other staff) to give night closes at right hime.
- a) erc segulates the physician will check isoscophion obces during dispensing of the days.
 - 10) Theorethic committees play an vital ade fithe manifolding the dag efficiety and utilization with how side effects.
- i) many hospital's having their own procommitte they do own selforms and suggestions to physicans.

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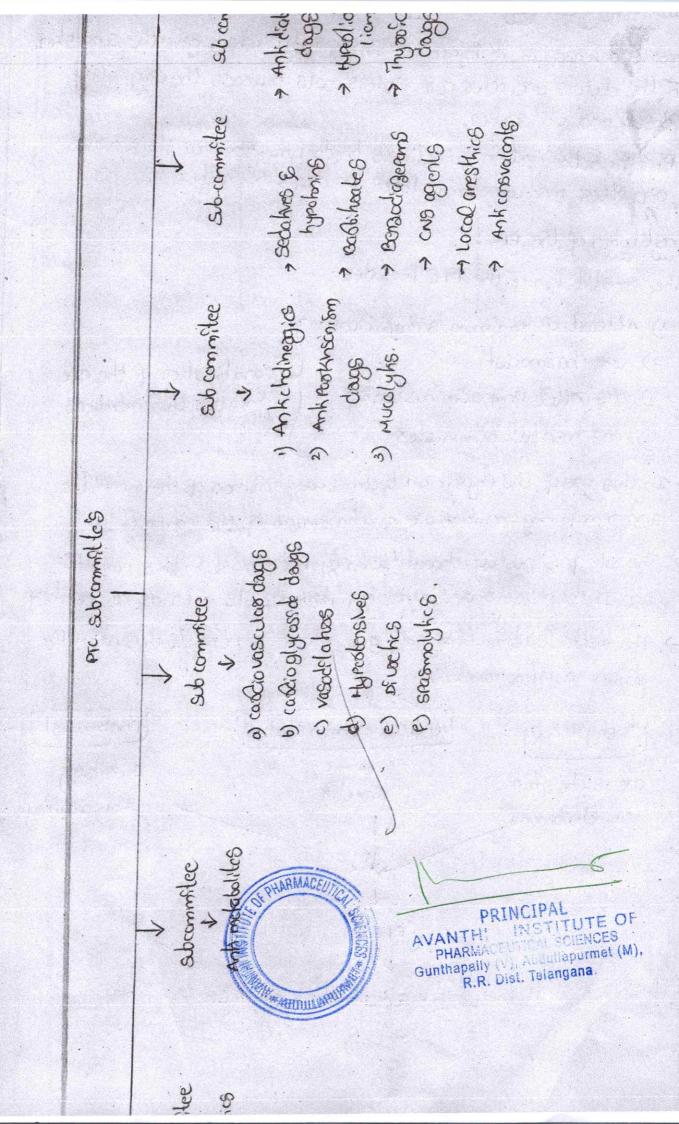
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PHARM SOLENCES

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Gunthapaily (M).

R.R. Dist. Telangana.

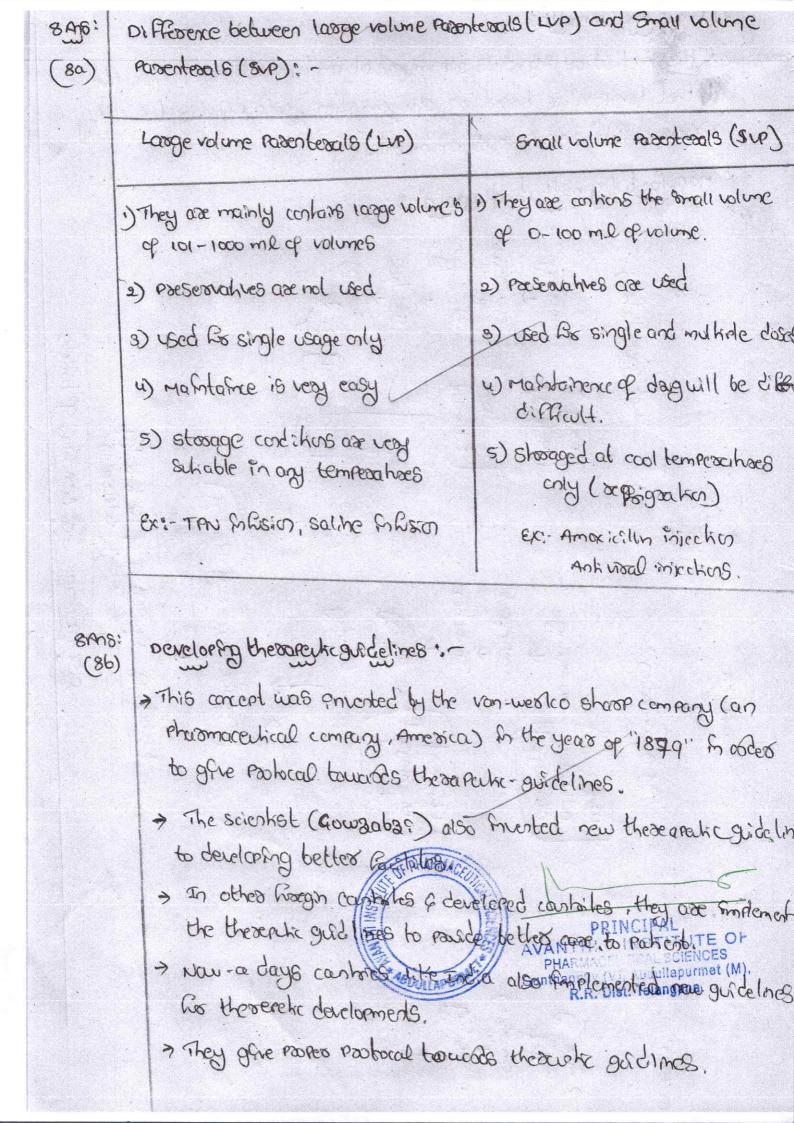


Total rosenteral nutrikas (TPN): It is defined as, TPN is an infision matily given to rate its/or rest containing all vital realised vitamins to the rakent. It is an Endison of all realized well vitom his invisionts towards rathert acquirment, they shased TPN. > TPN mabily often in conditions of any at dishabances as rationt in cama is unable to taken God by wally. TPN 18 of 2 by 125: i) contailly or total Risentesal Autoition (TPN) 2) Peosipheral Rasenteral nutrition (PPN) mainly TAN gives cook though certail very appliand filters will be by pass the gasho hteshnal tract. TYPES OF TEN: i) contrally admixture revenetered nutrition 2) Fat Chulsion 3) Peofresal Padentesal nutrikan u) Total Radenelesal nulstremanne Procedure of the Ten! -1) First of all check the grung from of Ten, Pen, Palemitanganach, 2) once check the TPN solution how expaish the paccess of TPN to He ration to rated relatives, 3) After explaining the process of TPN, now sterslike the area, admin hands, wearing glaces, and clean the substracting one a, TPN achterts: - Hypoaltergic tope TON SURA Bag containing TPN Soln

(Approved by A I C T E, Recognised by Govt. of T.S., & Affiliated to J N T U, Hyderabad) Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.

· INTE	RNAL DISCRIPTIVE EXAM		
NAME: Sai Warricha	Subject:	DATE:	
ROLL No.:	CIONATURE OF THE		
CLASS :SEM.	SIGNATURE OF THE INVIGILATOR'S:		
SIGNATURE OF THE STUDENT	TOTAL MARKS		

- u) after cleaning & sterilge the area, the TPN soon will be taken from the regfrigetie (de la avoid Patrond hyprotheoimia).
- 5) Now, after wearing glaces, cleaning & sterilaction, the rationt should be placed head han in order to avoid venus dishess.
- 6) to avoid as emobalism Rost check the 1855 lock hibe and check the Glow of the TPN SUDD.
- 7) Now after as chookism check instead the needle of the proper way
- 8) If the administration through vern, Physician supervision will be required
- 9) After the administration once check the flow of TPN soln towards vehs on accoule hme,
- 10) once check the TPN soln classify of soln, and if any microbial growth seen then avoid the adminstration of TPN Soln.
- 11) TP any alleogic sexuis sean aboved immedity shops the TON administration.
- 12) TPN soln administered ff ony Plew storings or any obsorbins occurs hast of all replace the admission true.
- 13) mouse highly showle contains and doing administration to parenter. clean with alchal or powere intege at administrations. The hoe putdour Profections and provide cooling effects,



Resources of thesapolitic guid Blines 1.

- 1) www. USFDA.com (Roday safety and new disperses of day)
- a) www. ICMR. / Descarch.com (New inventory around the India)
- s) center of day development & markhang of day (In germany)
- w) center for therapeutic guidliness (wHo).

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PHARMACE SCIENCES

PHARMACE Sciences

Qunthapany (V) Addullapurmet (M),

R.R. Dist. Telangena.

oct: - wows letter is defined as it is a bulliter; residologially release by the medical staff or administors which conto his the history is generally known as news letter. -> The main alms of News letter is .i) For the bans formation of the news 2) For providing information regarding refromps of pro 1) For the transformation of the news: -> It parides in homation regabling new day policy. -> contains inhomation of ADR's, day interaction > contains inhomation of new day's - icontains in Gormation of rations health safety -> contains information of day administration, health states 2) For poviding inhomation regarding religion's of pre: > Inhomation ægabling pro æhoms -> Any suggeskons on uhlaation of dags -) AOR'S reprobling of any pharmacist Intervention found they will be seported > ong Enteractions and toxically Enformation. a Layout of the News letter of PHARMACI) selection of the little of news letter of 2) content of the news letter ULLAPURA sunthapally (V) Abdullaphar the 3) Andings & publishisment news letter. w) pishibition s) Advantages

> Title should be inface and attachte manners. For example: "Pharmacy-evolution on covid" Lackifiber a the sevoluturary change in constration" tocalment. Title should tell about areal concept in one wood. 2) content of the news letter: content is most francolant in news tetter, content mainly tells abold about the dealited homa bion of the news letter. 3) Findings & publishment: make attachie nows letter, After the content check it the new letter will be published, by having 4) pishibbhon: After publishment of nows letters, they ask distributed the news letters In the orgion of hospital. a) Distributed to nuses medical adminished otter Staff phys con S Pharmagis SE OF PHARM PRINCIPAL 5) Advantages: -AVANTH! - Advantages mashly includes an solar pools opening status and ullapurm in the hospital. -> They know fiftermaken of news tetler up to ground level staff En hospital. + well updated and knowledge agoined or news letters. -1 This bullibous are cossily understandable. Thems letter are Different from 9t varies hospital to hospital. Because very hospital making different styles of - unquire news letters having hospital logo, bademark, board Agrical symbol reportations of hospital etc. -> so news letters are make very at brochuly by staff in order

to mathem unaive status around the competitive to wood?

Code No: PD402

Time: 3hours

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD Pharm.D IV Year Regular/ Supplementary Examinations, April/May-2023 Max.Marks:70

HOSPITAL PHARMACY

Answer any five questions All questions carry equal marks Explain organization structure and functions of a hospital with a neat chart. 1.a) [7+7]Explain in detail about different services and staff of hospital. b) Discuss the goals of hospital pharmacy. 2.a) [7+7]Write the role & responsibilities of hospital pharmacist. b) Enumerate the advantages of planning the budget. 3.a) Enlist the types of budget, explain budget preparation with examples. [7+7]b) Discuss the composition and purpose of pharmacy and therapeutic committee. Explain the formulary system, write the benefits of hospital formulary system. [7+7] 4.a) b) Explain in detail about Infection committee and its role in hospital. 5.a) Describe the factors affecting the potency of drug during storage. layout b) [7+7]pharmaceutical warehouse. Discuss about dispensing drugs for In patient service. 6.a) Classify prescription, write a detail note on floor stock method. [7+7]b) Write the principle, objectives and functions of inventory control, write the advantag 7.a) and disadvantages of VED analysis. Explain the Schedules for controlled substances and regulations of hospital-controlle b) substances. Describe in detail about packing of radio pharmaceuticals. 8.a) [7+7]Write the role of pharmacist in isotope pharmacy. b)

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Gunthapaliy (V), Abdullapurmet (M), R.R. Dist. Telangana.

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Date	
O Tuberculosis Hospital.	Page No. (
* TB Research Contra	و اه اتحاد
* Mational TB Institute - B	Chennai
	Liniciore
a Leprosy Hospital;	
* The Leprosy Mission Hospita	l - poladpur - maharastra Rumachandra
* The	- Paladpur - maharastra
* The " " (I mm.	Rumachandripuram - A.p. (and)
	my Hospital Dayapuram (Tamilna
HOSDILD"	
* Concer Research in 1101	EHESpital - Adayar - Chennai
* Bangalore Institute of on * Dhoomoshila cancer Hospila	- Adayar - Chonna
* Dhoomoshila Cancer	1 Sungalore
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* Javaharlal richry cancer	- Rihini (Delhi)
* Janaharlal nichru cancer Hos	spital & Pesparch contre - Bhapal (1)
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* Government mental Hospital	it-out
* v	- Chenny (TM)
* National Institute of mental (NIMHANS) - BONERALONS	- Hyderahad (TS)
(NIMHANS) - Bangalore	Health and Neurosciences
- Janyares	3.
Diabetes Hospital:	
* My Hospital for Diobetics	
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		Page No. 5.
(8) Drug Addiction	Rehabilitation Hospital	or coolie
* Drug Abuse I	Rehabilitation Hospital	on Research centre-Mum
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* Indian Spins	d injuries centre - NIII	nollo
1012	NEW Delhi	J.E.M.
* Apollo Hospi	tal - chennai	
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* AIIMS - N	cw polls	ysm. > An document
* Indraprostha	Applin Hospital	No.
* Amrita Insti	tule of modical science	JELL.
	STELL STELL	- kochhi
D Classification	on the Basis of Analo	mical physiological
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he orther prodes treed	horasic Hospital	
7. Neurological une		
8. Family 1001	PIEDU S	PRINCIPAL OF
July William	CE ACTOR TO PHARM	ACT SCIENCES
	Gunthapall R.F.	R. Dist. Telangana.
	Teacher's	s Signature :
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Date Page No
Bursi - Gravernment controlled: Supported by Good Li mining primaly a LIC Hospitals.
3 prévale Trust and charitable Trust (Introlleds
@ Bombay Hospital - Mumbai D bilavati Hospital & Research contre - Mumbai
6 Run by Religious Bedies:
© Hindu Mission Hospital - chonnai © Ruma Krishna Mission Hospitals - chonnai Kolkalla, Hyd. © Baptist Mission Hospital - Bangaloxe.
a public limited company controlled:=
D Apollo Hospitals - channai virag, Hyd, New Delhi etc. (TE43 D Vijaya Hospital - channai O standard Fire works Hospital - sivakasi (TN). What Hospitals. Hindusthan superautical inited. Drivate Hospitals (Arussing Homes:-
There are planty of this type of hospitals I nursing hor in all cities and towns in our country country an individual physician or group of physicians, catering to the needs of local people physicians, catering to the needs of physicians people physicians and people physicians are supplied to the needs of physicians and people physicians are supplied to the needs of physicians and people physicians are supplied to the needs of physicians are

and the late.

* Manufacture of capsules

- are at a relative harristy were ports. Copsules: - are solid unit dosage forms in which medicinal. and lor inext substances are enclosed in a sm Shell of Grelatin (Hard or soft shells).
- * The term capsule is derived from the latin word "co meaning a small contained."
- + Gelalin: A proboin, digested by proteolytic enzyme obtained by portial hydrolysis of collagen obtained f bone, stein, and connective tissue of animals.
- * Manufacture / production et hard gelotin capsule she Hard gelatin capsules one also known as dry fille capsules or two piece capsules.

Hard gelation capsules consists of two par known as capsule body (longer pad) and the caps cap (shorter pool).

* The drug substances is placed in the body and the cap is slided over it. Hence Enclosing the drug

substance.



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doining, of capsule caps will be ones Finally, the trimmed caps and body posts are Joined and released from the madines. * The width of walls of the capsules shells is to be strictly controlled for accurate Litting of caps over the bodies. * This can be achieved by controlling the following parameters. parameters. a) viscosity of gelatin solution solution b) Time duvation of the dipping c) speed of spinning of the pins. * The pins used for making bodies of capsules have the diameter smaller than those used for making caps. This help in perfect compressing of caps over the bodies. =) Hence in the manufacturing of capsule shells, all the above five steps are carried out one after the other with extreme care. with extreme care.

Depolishing -> pan chold during & Brushing.

* manufacturing of 50ft gelatin capsules: sold sold sold.

* production by two processes.

Towns over oblang. 1) plate process 2) Robary (or) reciprocating die processes. 2) Robary (or) reciprocating die processes.

Plate process:

The is a semi-autororac process in which has warm sheet of soft gelouis is laid overvad plate havingmi. * Vaccum is applied from underside of this place model into the pockets.

- These lubricants can be removed by passing capsules through naphtha bath. -> lubricants can be removed by passing the capsul
 - e) The corpsules are then passed through air dryers under pressure to rinse off the excess moisture
- =) Finally they are proceeded for packaging.

* Advantages :=

- 10 Heavy materials like pastes and ointments are & encorpsulated.
- Dobid medicaments are easily processed with suitable vehicles and encapsulated.
- 3 capsules one filled with accurately measured medicaments. and tightly sealed.
- 4) Biocoloured copsules are formed when differ coloured gelating sheets are used.
- A Disadvantages:
 - d Less durable copsules bend to be tess stable PRINCIPAL AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

3 shorter shelf life - capsuler expire Temore quie

than tables.

3 More expensive - capsuler that contain liquids
generally more expensive to my to
Lablets & may cost more as a res

Size ranges 6/10 0:2 to 4.0 mm A Manufacture of Granules

* Ginanules are pouder agglomerated to produce large f.
flowing particles.

- * Granules are particles ranging in size from about 4 to 10
- * They are irregularly shaped but may be prepared to be Spherical.
- * Granulation are also used as intermediates in the prepar of capsule and bablets, since they flow more smoothly and predictably than do small powder porticles.

to chasilication of granules - Granules are classified into following categories:

- 1) Effervescent granules suncontes granules read of the morning of in
- longers of the land D coaled granules
- @ Grastro -resistant granules.
- 1) modified relate granules. Sychola their selles

* Methods of Preparation:=

=) Granules are generally prepared by two methods.

@ wet method whomapy exp

Dry method is method is method in principal avanthi institut pharmaceutical science Gunthapally (16), Auxillapuring Gunthapall

=) This is to moisten the pouder or powder mixture and the pass the resulting paste through a screen of the mesh size produce the desired size of granules.

-> The granules are placed on drying trays and are dried by ner or under hook.

determination 1) particle size and shape D surface area 3 Densiby * Bulk density + True density * Granular density Granule strength and friability Elow properties * Angle of repose * percentage of compressibility Index * Housners ratio moisture content & percentage fines. 1) particle size and shape potermination: => size affects the average weight of tablet. disintegration time, weight variation, freability, Alowability and drying rate. =) The size and shape depends upon processing requirements during granulation. Size and Shape a * The methods for determining 1 Sieving & sedimentalions rate PRINCIPAL AVANTHE SINSTITUTE OF Gunthapally (V), Abdullapurmet (M), 3 Microscopy 13 R.R. Dist. Telangana.

(4) By light scallering

* Dell: powders may be defined as a solid material in finely divided state * meant for internal or external?

* They are awaitable in crystalling

A powdered drup - they are awaitable in crystalling A powdered drug on its own can be a dosage for for taking orally (called simple powder) when they are usually mixed with water Lirst, or for external A classification of powders: * posticle size of powder -) ph @ classification on 11-1 a classification on the basis of use: D Bulk powder for internal use * Also affect dessolution about 2) Bulk powder for external use and therepeutic efficacy 3) Divided or unit doses powder. * The size of porticiles range O But Demant for internal was-They are mixture of finely divided drugs and/oxchemics in a dry form that may be intended for internal use coral powders). a) oral powder PRINCIPAL OF AVANTH INSTITUTE OF PHARMAGE CALSCIENCES b) powder spray PHARMAC (V) Audullapurmet (M), Gunthapally (V). Telangana. c) Dry powder inhaleton d) effervescent powders

* They are mixtures of finely divided drugs and los chemicals in a dry form that may be intended for external use available in multiple doses (dusting powder).

- 16) Greneral method for preparation up devided powders
 - 1) The minimum weight of individually wrapped powder is 120 mg. Dilution of drug with a diluent weally lackede often necessary to produce the weight.
 - @ usually tablets or capsules may be used to prepare oral powders. This involves either crusting the bubbles a mortar and pestile, or emptying the contents of the capsule and adding a suit-able déluent.
 - 3 Lactose is most commonly used diluent because it is colourless, odourless, soluble, is generally harmless and has good flow proporties.
 - (4) some patients may be unable to tolerate lactor and suitable înert alternative diluent, for instance ligh kawlin, would then be used.
 - A Advantages of pounders: = * wed for both internal and extreme of exchion is rapid -) compared * constant of exchion is rapid -) compared of exchion solid delaye for
 - 1 Grood chemical stability compared with pluids.
 - @ useful for bulky drugs with large, ex:- indigestion pour
 - 3) The smaller particle size of powders causes more rapi, dissolution in body Pluids 75es drug bioavailability. gastric irritation compared bables. PRINCIPAL

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 (M)

A Disadvantages:

- 1 Inconvenient to carrie
- Dist. Tolangana.
- 3 Not suitable for drugs unstable in atmospheric condit
- 4) Not suitable par bitter, nouseating, deliquent ar corrosive drugs.

* Deth: Homogenous one phase system - 200 more components - solvent - solute

* classification:

Internal - mixture, syrup, elizeir, linctures.

@ External-

* Instilled into body cavities - nasal spray ear drops.

* used in mouth - Mouth wash Hypat paint Trongle.

* on the skin-Liniment

* manufacturing

chanliness

2 Raw materials

* solvent -

Buffers - resist change in pH

* Density modifiers - dexbrose

* Isotonicity modifier - desebrose, Nacl

* preservatives

* sweetening agents - sucrose, soxbitol, mannibal

AVANTI

I had movedies:= F. E. Sundardie 3 possibility of alwayse reactions. 1 @ poor permeability of some drugs through the sun. Busgnelat isig is Dish as good as book is book is books. Blandana. SECUEIOS INCLUEDAN FAHO \$ Disadvantoges: HTNAVA PRINCIPAL OF Snow show show som D Thouse believes contact with swing There soothing action on inflund areas. B no visible evidence of ? Es presence. D Less greasy and Easy to opply. Thous smooth consistency. " applications. A A du antoges == and hor rectal and vay * Medicated creams are used is for breatment of shi comparision to -> vintements.

Chave no visible evidence of thois presence on * creams have softer consistency and have light moing can be easily removed from skin. usually contain water soluble base due to which meant for external application of use. Viscous, Beni - solid Emulsions * In pharmaceutical practice (creams) are certain ointments b Referred as cocon Milk of magnesia Loyer separated from miller A Monullacture of Creams:-

Doily creams (who creams):= These creams are composed of -) small droplets of wal @ sterol exerms:= Fusion method. contineous oily phase In steral creams -> wood fat (0x) wood alcohol . used as emulsifying agent *Escample:= proflavine cream Bpc B soap creams:= In soap creams -) calcium soap, triethahalamines used as emulsifying agent * Example:= cold cream (Borase cream) Barrier cream [Triethanolamine cream) tours by * packaging and storage:-Jars wide mouth glass or plastic Jars Tupes wonden milling & Aluminium Offer 21 JI. (P) plastic bubes, oil as 1 The bose * Labelling:= "For embernal use only of miscreams should be shored an Gunthapen A storage:= well closed containers in a cool place.

Sulphur ointment[I.p]:= sublimed sulphur, Linely sifted - wg simple ointment - 90g.

@ Fusion method:=

wood alcohol ointment

wood alcohol - 69 Hard paraffin - 249 white soft paraffin -109 L'aured paraffin -609.

& containers:

Thass or plastic for having screw caps.

* Amber coloured glass containers

* plastie or metallie collapsible tubes.

* Labelling 3=

* Fon External use only.

* storage:=

* cool and dony place

* powered forong highways emp (T) or direct sun light.

PRINCIPAL AVANTH! INSTITUTE OF Gunthapally (V), Abdullapurmet (M) of ointments, Liquids

Semi solid preparation which are used for external application to skin or mucaus

> medicaments dissolved, suspended or emulsified ointment base.

=) Contain antimicrobial preservatives.

or smolient for the =) usually used as probective

* Ideal characteristics

* physically and chemically stable.

* ointment hase - no therapeutic action.

* Finely divided active ingredients - uniformly dist * Smooth, force forom gouttiness and granular post

easily applicable, melt or soften at body

temperature.



Triburate sour Lan ointment slab with (5.5) spour) stainless until a homogenous pouduct is formed. (5.5) Add memaining base and mix uniformly (Add any liquid ingredient if present) Ointment 50 poreparred pass through roller mill Ensure uniform drug dispersion removal of any aggregates. * Longe scale manufacture of ointment by bouturat requires meghanical misce @ Fusion method := * This method is suitable - when base is solid. 5 mal scale porcelain dish is placed on water bath. Large scale-)carried out in large steam-jacket Kettle

A procedure:

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PRINCIPA The ingredients and baseAVANTE meltediscional purposed bo obtain a Runiformanposoduct Initially the ingredient of highest molting point i melted then remaining are added in Ving order of r

Ensulating usethod

- = It contains 32%. w/w of Zinc oxide in a cream base.
- A uses: Astringent, protective
- 1) Take Zinc oseide and calcium hydroseide in a mortrar pesti toriturale, add o loic acid and arachis oil, briturate t a smooth paste
- @ Add wood fat, continue trituration, when a smooth post without any gribbiness is produced, add about 16 ml o purified water very slowly in a stream with continuou britwalton.
- 3) The cream should be of uniform considers,
- 9 pack the cream in a clean, dry wide mouth appropriate container, seal and tabel proporty.



Manufacturing Process:=

- Dended in advance are dispersed into mineral oil or silicone Heating may be required to melt some ingredients.
- Etabilizers are dispersed into water in a separate vessel Heating may be required to accelerate hydration.
- Essering the emulsion: The two phases are blended under Vigorous agitation to form the emulsion.
- (4) Despersion of the Active ingredients:-

design the state of the state o

The active ingredient often makes up only a small proportion of the formulation: this must be efficiently dispersed to maximize yield and product effectiveness.

d) Total parenteral nutrition

Defn: A method of feeding the patients by infu:
the mixture of all necessary nutrients in
the cinculatory system, thus by passing the

* Also reflerred to as:

* Intravenous nutrition *

* poventeral nutrition.

is severe gastro-intestinal dysfunction (patients us cannot take sufficient food or feeding formulas by enteral route).

- O central or total parenteral nutorition LTPN)
- @ peripheral parenteral nutrition (ppN)

A purpases :=

- * To provide nutrients required for the normal metabolism tissue maintenance, repair and energy demands.
- * To bypass the GII tract for patients who are unable take food vially parally to the contract of the contract

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Ounthapally (V) Addellapurmet (M),

R.R. Dist. Telangana

* ABDULLARUR

* patient who cannot tolerate Enteral nutrition because of * Indications: Company · Paralytic iteus - A matton in Common of the Intestinal obstruction through - result in a blocked for · Acute pancreatitis - a common dell' a chai per · Inflammatory bowel disease · Grastro intestinal fistula - sar abrorras opering in the · severe diarrhea l'entertine mont allors le continue · persistent vomiting) symptom of a large variety of Malabsoxption _ disorders * Hyper metabolic states for which enteral therapy either not possible or inadequate back Mil per od by nothing by high to · Npo for more than 5 days · Acute renal faiture

· Multiple fractures me wishe to filter waste products

· Tumor in GI brack

· Tumor proper nutri * patient at risk for malnutrition of caused by not having one of · Giross under weight -) body while - How healthy · Metastatic concer -) strige - 4 concers. * Methods of parenteral nutrition:= * Total nutrient admisature into a central voin (TNA) =) It is indicated for patients requiring parenteral Leeding for Seven (or) more days. Given through a

- * parenteral formula combines. .. =
- · CHO in the form of a concentrated 20-70-1. "desch carpohydrates
- proteins as amino acids
- · Lipids in the form of an "Emulsion" (10. try triglycerides, phospholipids and glycerol.
- · water
- · vitamines and minerals

*Operipheral parenteral nutrition (ppn):-

- =) This parenteral formula combines carbohydrates c lesser concentrated glucose solution with amino act vitamins, minerals.
- =) Given through poripheral vein.
- => Indicated for patients requiring nutrition for fewer Less than 7 days.
- *3 Total parenteral nutrition (Tpv): = 13937 I
 - * This parenteral formula combines glucase, amino acids, vitamins & minexalentary
- * Given through a central I.V lines PRINCIPALITEOF
- * If lipids are given intermittently amixed with TPN.
- Fot emulsion (lipids): It is composed of trigly cerides 10-2 ex:= phospholipids, Glycerol, and water to
- May be given centrally (or) peripheralli.

(H) Eat Emulsion (Lipids):=

=) It is composed of triglycerides (10-204),

* procedure:=

- D Assess the need for paventeral nutrition by performing nutritional assessment.
- 1 check physicianis order for method of poventeral nubrition (TNA, TPN, PPN or lipids) and flow rode.
- 3 explain the procedure in detail to the patient and relatives.

 (9) obtain informed consent.

 (5) collect needed equipment for the procedure your property of the procedure your procedure.
- Remove the bag of poventeral Uses incidence of hypotherm nubrition from refrigerator pain procedure (if refrigerated) pain and vaspispasm, los body sudden constriction sudden constriction of blood ressels.
 - 1 Inspect Aluid for presence Indicates Aluid separation, of Creaming or any change TPN solution should be in constitution. Clear without clouding.
 - (8) wash hands, don cap mask, tollows strict aseptic precaute gown and sterile gloves
- 19 Using alrich aseptic bechnique, prevents chamees not developing bo TNA bag and purge out a bubble that becomes trapped

- place the policy in supine supine position with head I position and turn head to one side opens the an away from UAD (venous b/w clavicle and first raccess devices) insertion
- (3) clean the insertion site with alcohol and povidine rodine solution.
- B Assist physician while inserbing VAD.
- After insertion of VAD, connect tubing to hub of VAD using sterile technique and make that the connection secured using Luer-Lock connection
 - (5) open all clamps and regulate Pilow through volume
- Monitor administration hously assessment for integrity of fluid and administration system and patient tolerance
 - 1 Record the procedure.
- A Complications of Total poventeral nutrition:
 - 1) Sepsis: the body's extreme response to an infection.

 Lit is a life threatening medical emergency.
 - * causes: * most often shoot in the lung wringy track, skir
 - · High glucose content of fluid (08) (FIL brack.
 - · venous access device contamination. NAD PRINCIPAL AVANTH!

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* Interventions:

- · consider Using glucose content of Aluid
 - · consider removal of venous access device with replacement in alternate site.
 - · It-blood culture is positive consider antibiotie therapy
 - 2 Electrolyte imbalance :
 - * Causes:=
 - · Lag Introgenic -> illness caused by medical examination (or)

 Effects of undown.
 - · Effects of underlying diseases, i.e. Fistula, diarrhea, vomiting.

*Interventions ==

- * monitor for signs and symptoms of electrolyte imbalances.
- * Treat underlying couse
- * change concentration of electrolytes in TNA as necessary
 - 3: Hyperglycemia: - An = xcess of glucoce in the bleed stream
 - * Causes:- Diabered millitud
 - · High glucose content of I-held.
 - · Insufficient insulin secretion.
 - * Interventions:=
 - * monitor blood glucose: Frequently.
 - * Vse glucose content of I huid if possible

Cunthepally (V), Abdullspurmet (M) Monitor Cunction INSTITUTE OF * Interventions:= Sond Lasson PRINCIPAL · High concertration of the fals relative to protein. * Courses = Associated Ea variety of abnormalities observabilities, maldroidalon, maldigertion, maldigertion 2415 30th 3 January. D Hepatic dystunction:= To sutors , noistudos Surantiament To ham 2528A breath sounds and peripheral sedemaing pressure load swelling more concentrated true eque, inbake and out put, doily woight, cup, Interventions:= ... blust 4: foilure and renal boilure. * occurs when the heart peusal · underlying heart diseases such as congestive heart · Introgenic - illness thought standards Filmidical or (volume overload) -1:0. meary 50-604. B Hypervolemia: = > A condittion where your body has too planie shoot 10% deschose at the same rabe. * Alber discentinuation of centrally administered To · Administration through a central voin.

Interventions:= > difficult zituation (orthogo) A COUSES SE Sudden un Expected • Abrupb discontinuation of TADA. Hypogly Cemia: = = Set iciency of glucose in the blood =

- Hyper carbia = -> 15e in co, in the blood stroum
 - * Courses:
 - · High corbohydrate content of Alad.
- * Interventions:=
- * Consider changing formula to 1se the proportion of fat relative to carbohydrate.

Little Din Control of the State of the State

- Discontinuation of TPN:=
 - => Discontinuation of TPN should bake place when the patient can satisfy 75% of his or her caloric and protein needs with oral intake or enteral. Reeding.
- =) To distortinue TPN, the influsion rate should be halved for 1 hour, halved again the next hour, and
- Tapering in this manner prevents rebound hypoglycem from hyperinsulinemia.
- It is not necessary to taper the rate of the patient demonstrates glycemic stability

it step - aystingst

i de Harris

I continuing professional development program Education and training

* Definition: continuing education in pharmacy profession a structured process of education designed or intende to support continuous development for pharmacist to maintain and enhance professional competence.

* principles at SRB Ctentinuing exactessional development of self-directed bearing.

enables them to be more effective as professional.

and may include activities both within or inside us work settings.

and his organization.

development. The organization has a role in helping practities and meet needs in related to his profession and job.



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* CPD concept:-

The concept of cpp was proposed as a culture of life-long learning, in which learning programs are used to identify and meet the learning needs of individual health professionals.

CPD for pharmacy professionals can be defined as "the responsibility of individual pharmacists for systematic maintenance of profession, development and broadening of knowledge, skills and altitudes, to ensure continuing competence as a professional throughout their careers.

The must be an ongoing and cyclical process of continuous quality improvement by which pharmacide Seek to maintain and enhance their competence in both current duties and anticipated future service expect

* Reflection on practice:=

reflection on practice is the process that is used 'self diagnose' our boarning needs.

* Conitical incident analysis:

- ~ critical incident analysis is about bearning from mean events, and involves taking a thoughtful approach to poorlicular event and looking at the outcome.
- VII is not important if the outcome to the event u positive or negative.
- The important issue is that the event is analys and the question asked: " what did I do to bring at this positive negative outcome?

 * Appraisal and peer review:

- Approisal and peer review are an excellent way assessing loarning needs.
- of Typically the way we view our own work is oft different from the way that our line manager or

Colleagues Seef PHARMA

* professional audit:

A professional and involves systemation evaluation of professional work against set standards.

~ professional audit is a useful tool when reflection

- * Reading and continuing Education Events: - Active reading of journal articles and the partic in continuing education activities such as workst coin often encourage the wider exploration of area of professional development.
 - The consideration of questions such as those for in the check point, sections at the start of the ch en this book can be a useful tool.

 Reflecting on RPS GIB areas of competence:
 - - Arrother approach is to regularly take stock of or competence by matching our own self-assesse competence against published Criteria.
- * Specific learning objectives:=

 The SMART acronym is a useful tool.
- 5-specific: the objective should state charly what it is that you want to be able
 - √ M measurable: will it be possible to dolermine! you have met your learning objective
 - V A-achievable: will it be possible to acheive yo objective when you take into accom

~ T- timed: your specific objective needs a specific deadline for your goal.

- The first post of the planning stage is to decide on the urgency of the identified objectives.
- The second stage of the planning process is to consider the importance of the learning objective in berms of how the learning will impact on yourself, your colleagues, your organization and your services

* Action :=

- ~ This pool of the planning slage cpn process is about implementing plans that have been solvetted during the planning stage.
- The specific plans are carried out within the defined time limit and a summary is made of what has been
- ~ once the planned activity has taken place, it is time to move on the Evaluation of age.

PRINCIPAL

→ At this stage of the cop eyele, ones

such as:

lasvains nhierlive been met?

* plan and record:

- The pharmacist CPD record should comply with the good poroctice criteria published by the RPSTIB LRoyal pharmaceutical society of threat Britain).
- the pharmacist in recording their cpD are available on the RPSGB plan and Record.
- Referring to these criteria can help to Ensure that the CPD postfolio is balanced

* Barriers:

- ~ CPD is a time consuming process
- ~ uninteresting subjects
- Lack of resources.
- Lack of motivation and interest.
- System and bedinical problems
- racilitation and support issues,
- of the CPD process and evaluating of the CPD process and evaluating cpd activities.

* conclusions:=

CPD is seen as a Lundamental component of the quality improvement agenda and good professional practice.

many pharmacists are not engaging fully in CPD and need further suppost to enable them to do so. * pharmacist perceptions of continuing Education VACTOSS the pharmacy literature, pharmacists have identified topics rolating to therapeutics/pharmaceutica -1 care as the highest & ranked area of interest. Jubjects relating to pharmacology, pharmacy practice," or clinical skills often followed. convexsely, pharmacy owners ranked the category of "implementing pharmaceutical care services, developing montesting of pharmaceutical care services, developing value-added services, reimbursement) as their most , proferred CE topic · Barriers to posticipation in CE were time considerations and excessive workload or job constraints, cost, lack of program accreditation, and uninteresting subjects were borriers to CE porticipation. * continuing Education learning methods: - pharmacists participate in through a variety of delivery methods and formats AVANTH SCIENCES (M).

The most common CEARDY LAPUTE Seem R. BOILLAPUTE OF SEEM R. materials, lectures and seminars, internet-based -... 1 monlinor videos/

- Several studies have been conducted to Evaluate the most successful and professed, mothods of Cts delivery.
 - Among the studies, a thome that emerged is the proference Lor live program versus online or webinar programs while others revealed a range of proferences for CE delivery, including small-gray workshops, independent reading of CE, and interest based activities.
 - interactive CE activities that include problem solving and feedback from instructor.
 - raking this concept a step further, different methods of live CE delivery (Ex: lecture versus workshop—based CE activities) have been compared
 - ⇒ compared approaches include lecture plus largegroup case discussions and lecture plus small-gro training.
 - It was found that becture plus small-group sessions resulted in significantly higher knowledge and posticipant satisfaction scores.

in deriver when

- parenteral admixtures.

- parenteral nutrition fluids & sterite dosage forms - auality of manufacturing compounded, paded, labell control the storage & distribution of drugs. A <u>Clinical</u> <u>Services:</u> - palient medication history, - Monitoring drug therapy, frai di - management of medical emorgency, - palient education & courselling, Management of chronic conditions. * INTERNAL TEACHING PROGRAMME :-@ Training of student sty nurses:-~ In the U.S.A. much has been written regarding the r of pharmacist in the teaching of student nurses. - some advocate that the hospital pharmacist shou teach student nurses the entire course in pharmac -ical calculations & pharmacology, others propose that he undestates to teach certain aspects of hostructor. PRINCIPAL DE PRINCIPAL DE PRINCIPAL DE PRINCIPAL DE L'UTE OF instructor.

How much de how little want of Later macist

reachers will depend upon culter maindividual & the Environment in which the operates. .. . 1. . 1. . 1 is capable and has so impressed

- 1) organisation of hospital prumary argumentes @ Administrative policies
- 3 professional policies.
- 19 Development and maintenance of policy & procedure policie
- 5 Interdeportmental administrative activities
- (6) Hospital. committee LPTC, inflection committee etc)
- @ pepartmental staff meeting
- 18 personnel management
- 9 drug procurement and inventory control.
- (10) safety practices. (11) space & facilities planning.
- D collateral and Inderdepartmental Activities:
- Motivate him to participate independently in activities, develop a personnel philosophy of commitment to his professional role & responsibilities.
- @ Ambulatory patient service:-
- · Dispensing of drugs to outdoor patients, dispensing of drugs to emergency ward
- (d) In-patient distribution & control:-

Nurse are involved: nature of drug, effects, dose, boxic Symptoms, medication order before administration. administration of oral preparation, administration of drugs by redal route, administration of drugs by

- (i) The applicant should be recommended by the college forom which he grouduated
- (iii) The resident should be a member of the Indian Hos pharmacists Association and for Indian pharmaceutic Association.
- 1 Final approval of the smalifications of the applicant and his acceptance shall be responsibility of the Direct
- E) The pharmacy Department should have adequate facilities: To convy out a broad scope of services including the following areas of professional and administrative activity:
- Departmental administration, posterolow because and interdepartmental activities,
- O' Ambulatory patient service,
- (d) In patient drug distribution and confirmapally
- e Technology and quality control wities.
- (b). Clinical source and
- Drug information services.
 - @ Departmental administration:
 - r Departmental management, skills & solving problems, personnal management, organizational management

1 The pharmacy department should be exquire according to the principles of good management under the direction of legally qualified pharmacist and with sufficient appropriate person to corry out a broad Scope of pharmacy services within the hospital and for the patient and shall comply with all the prescribed legal requirements.

O personnel for the training:

- There should be at least one full time legally qualifie pharmacist for each resident.
 - ~ The pharmacy director or superintendent shall have the responsibility and the authority to carry out a broad scope of professional service
 - The pharmacy director or superintendent or his designee, shall be a member of and actively participate in the pharmacy and Therapeutics committed (PTC), medical, dental, dietetic and other similar . boraining programmes.
 - The Director should be an active member of Hospite pharmacist Association and - or pharmaceutical Association.
 - ~ All other pharmacists on the staff should also - be the member of these organications
 - m standards of qualifications and selection of the

* Standards for the hospital undertaking

training programme:

In order that the haspital may be able to carry out its training programme possperly and efficiently in which the hospital pharmacist has to carry out the internal and external Educational programmes outlined above it has to have cortain standards to be adopted

1 The hospital should be affiliated to a university:

As a teaching hospital, and pharmacy residencies should be conducted only in those hospitals, in which the educational benefits to the resident one considered to be of great importance in relation to the service benefits which the hospital may obtain from the resident.

Total doing we control in the hospital clinical application of drugs in treatment of patients application of drugs in treatment of patients of porticipations by the resident in the activities of the department lends understanding, confidence and purpose to his academically allained professional

background

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Training

- > cpp tovaining includes vorious functions of hospit pharmacy and how these are executed in a portfeul deportment:
- v Duties, responsibilities & restrictions.
- Aware of practices in that department with respect ! checking, ordering, meeting, requests from words.
- · provide basic information on the materials to be hand
- providing instructions in the various process in which they involved, poweredures for safe working, includ the safe handling of materials & operation of mach
- on one hand major contribution made by the pharma to the hospitals teaching program in his role is to education of student nurses.
- r phairmacists involve in training of graduate nus under graduate pharmacy students, graduate pharmacy under graduate pharmacy
- * Training can take port in both interne excher External teaching Ad Internal Teaching Activities rough locture or sper student nurses specific programy Jesninar on therapeutics Varaduate nurses I no cidente in hospital adi

A The Ename work For Establishing Quality in CE/CPD

- ~ The overall approach to CE/CPD involves a néeds - based model.
- The needs may be local regional, national, or international and are tied to the services provided by the pharmaceutical professionals.
 - As services provided by the pharmaceutical profession vary from country to country, so too will the Educational needs CE/CPD and training activities are targeted to fill the educational need or gap in an effort to ensure that pharmaceutical professi -onals one competent to provide services in accordan -ce with their practice-setting expectations.
 - * The Enamework for Establishing anality in

CEL CPD

auality and enter-national

Education completed by blue Vision workforce to acheive these competencies

VANTOCALLY

services powided by the pharmacy work force to meet these needs

- How does continuing Education differ fown CPD copp is a specific process that promote self-direct lifetong tourning by which an individual pharmaceutical professional maintains and enhances his or her compete professional maintains and enhances his or her compete
 - cpD encompasses all activities, both formal and into the tearner undertakes to maintain, develop, and improve his or her professional skills, knowledge, and improve his or her professional to the needs of polients, a attitudes in relationship to the needs of polients, a setting or organization, and society.
 - Accordingly CE an Essential component of the 1
 - The GPD process requires that individuals assisted their learning through a process responsibility for their learning, evaluation and application, planning, learning, evaluation and application, planning, learning, evaluation and application obligation that cpD is a personal professional obligation that essential for improving the quality of health essential for improving the quality of health

Resource and preparation of guide lines:

In 18th century, there will be a Merck's mannual for guid rBut today there are many data based and websites are · available for guidelines.

· Among them, centres for diseases control & prevention and American medical Association and National Institute of Health of USA are important websites.

vother websites like.

v Agency of health care research quality Lwww.ahrq.go.

v university of son Franciso (www. medicine. ucsf. edu)

V university of Illinoist chicago (www.uic.efulebo,

India website like, very popular resources is by

· National omide lines clearing House (WWW. NGC. gov. in

· cardiology society of India (www.csi.gov.in).

· Main website is http://www. GIUIDELINE.GOV.IN · published by depostment of health & human resource developed by (Agency for healthcase research quality AHRO deportment.

All website are not free to browse.

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guidelines in land links and links are can browse the physical of the p quidelines index line in homepage, hundred sunth respects comme - ries, quideline synthesis. quideline matrix, quideline resour

comparision of guidelines.

with the acknowledgement to the site authority, a short version of an example guideline is given below so, blust students can understand, how to develop a therapeute quie ~ After the publication prepared it should be circulated & animine supported or rejected into the draft

A organisation: ~ Administrators (3 members) - Medical & pharmacy & dibors (6 members) ~IT (Information technology) (1 member) researcher (1 person) revaluators (1 person) marketer (1 person) * Gruidelines characteristics: ~ Clinically oriented. · Arrangement according to chinical or disease wise probl clear a practical évidence Complarehensive / Cover all common area of care. Authorised, experts independent interpretation of Evidence * AIM:= 1) To improve the effectiveness of treatment. To minimize the duration of treatment. To reduce the cost of the breakment. * Advantages:= 1) It gives best way of the breatment, in safe and effect - tive way. (2) If duration and cost of the breatment will less mean patients & family members will be happy. * Disadvantages:

* Meetings:

Most ethics committees meet at loast once a mo in order to ensure that no research proposal? held up at the level of the committee held up at the level of the committee reach member must altend at least 75% of all meetings.

Developing Therapeutic Gruidelines

* ORIGIN :=

Therapeutic guidelines was started publishing:

Sout of guidelines in the year of 1899, by the

Company of (MSD) Mercle sharp & Dohrne, USA.

V In the form of mannual called The mercle mai

V The mannual contains reviews of published lit

The mannual contains reviews of published lit

The mannual contains reviews of develops

The mannual contains reviews of published lit

The mannual contains reviews of published lit

The mannual contains reviews of published lit

The mannual research by senior doctors of develops

Countries.

V It is published in the order phromatical disorder of organs or human systems. It describes to logy, pathogenesis, symptoms signs, clinical procedures and lab tests for diagnosis, treatm of all diseases known at the time of publish mannual.

- They are available in diseases wise or disorder wise. They are very much useful not only to practicing clinicians but also to junior doctors, medical pharmacy, nursing students.
- * why bherapeutic guidelines required ?
 - Therapeutic guidelines one to help the Doctors to select the most effective line of treatment in specific clinical situations.
 - Therospeutic guidelines are also known as clinical guidelines or clinical practice guidelines.
 - According to GRABOWSKI. These guidelines are developed by health care providers to serve as a guide for diagnosis, tests, treatment of a diseases state.
 - voithout therapeutic guidelines doctors are in dark, in the malters like what diagnosis tests to carryout and what to avoid.
 - This reduces the cost and duration of the treatment, it gives much relief to the patients and his family.
 - It provides the effective treatment and assist him in monitoring the patients parameters.

ethical issue, patient rights. Employee rights and other similar topics

- 3) provide a consultation service for any patient, family member, employee
- 9 To protect the dignity, rights and well being of the subjects.
- 5 To assure the ethics values & international scientific standords.
- D'Approve new clinical Estals as well at review trails.
- 7 To assist & develop Education of research community.
- (B) Approve research and other confirments on the patients.
- O promote ethics use of drugs, equipment, clinical tests on the patients by the hospitals.
- rurses) who were admitted to the institution of or share and as patients and ask them to share and committee of share and committee.

 Experiences with the committee.
- (1) Asleing a sociologist to help the committee

 Create its sociogram to clarify the relationships

* organization:=

* chair person - A member such as general manager/Aron out of haspital

*Convener (coordinator - Any surgical (medicine HOD

* Clinical members - specially, surgery, medicine, laboral radiology, radiation safety officer, representative from nursing departm

* Non-clinical members. Over time of

* one logal expert donot provide any type of medical tr * Relired Judge (or) Lesting.

* one social scientist.

* one representative of non-governmental volunteer a * Researcher welfare of others

*Amember of secretory - should be from the same in * Aims & objectives:

- =) The aim is to control and monitor the clinical bro and researchers conducted in haspitals.
- O core of the patient in this institution.
- 3 Education of the shaff on biomedical ethics.
 - * Responsibilities / Eunctions:= 1) provide éducation to haspital employées through

* The Role OF ICN:

- =) Identify, investigate and monitor infections, hazardour practice and procedures.
- => participate in the preparation of documents relating to service specifications and quality standards
- => porticipate in training and educational program and in membership of relevant committees who infection control input is needed
- > Active surveillance

* Research and Ethics committee

- Research and ethics committee 25 also called as Independent ethical committee
 - In India started by ICMR, in 1980.
 - =) The Ethics committee is a multidisciplinary team composed of physicians nurses, social workers administrators, chaptains and obtier employees.
 - → All research proposals must conform to standardal principal pri
 - An ethics committee a committee Approve the institution of chinical research study involving human participants and to provide continue review of research studies.

- * Additionally representatives of any other department Copharmacy, central supply, maintenance, howekeeping may be invited as necessary.
 - * The Role of Infection Control Team:
 - v To develop an annual infection control plan with clearly defined objective.
 - To develop written policies and procedures includ regular evaluation and update
 - To supervise and monitor daily practices of patin care designed to prevent infection.
 - To ensure availability of appropriate supplies.
 - To organize an Epidemiological surveillance progra Cparticularly in high risk areas for early detection of outbreak).
 - v To Educate all grades of staff in infection continuous.

system of inter-of-fice communication * Inflormation Dissemination * management review - once a year. Hospital Infection Control Committee The risk of infection is always present in every Hospital = patient may acquire infection before admission to the hospital = community acquired infection. -> palient may get infected inside the hospital = Nosocom -l infection. * It includes infections: v not present nor incubating at admission. ~ Inflections that appear more than 48 hours after admission, Those acquired in the hospital but appear after discharge ~ Also occupational intections among staff. * Infection control committee : V. Im. P v It is a multidisciplinary committee responsible for monitoring program policies implementation and recommend corrective actions. AVANTH It includes representatives from undifferentian concerned haspital departments management.

They meet himonthly. - monthly a bond

- A Chooks of intection without willinger.
 - There are three principal goals for hospital infection control and prevention programs:
 - " protect the patients
- a) protect the health care workers, visitors, and others in the healthcare environment.
 - 3) Accomplish the previous two goals in a cost Effective and cost efficient manner, whenever possible
- * purpose / Importance of infection control committee
- 1) Basic measures i.e. standard and additional precombion
- @ Education and training of healthcare workers.
- 3 protection of healthcare workers. "ex: immunization.
- I Identification of hazords and Minimizing risks.
- 5) kontine practices such as possible aseptic techniques, handling and use of blood and blood products waste management, use of single use devices:
- 6 surveillance
- Incident monitoring Research.
- * Infection control Team:-
- De chief executive, or haspital administrator or his ther nominated representative
- 3) ICD or hospital microbiologist (chair person).
- 3) Infection control Nurse (ICN)

(13) Credentials commibble

- * Afrea of responsibility: credentialing of physicians * Report to: Medical Director.
- * output: auality management system in credentia -ling of physicians.

(3) Blood Toransfusion Committee

- * Area of responsibility: Blood transfusion
- * Report to: medical director
- * output: awality management system in blood

(14) Quality management system

A Quality management system Coms) is set of policies, process and procedures required for planning and execution (production/develop - ment/service). in the core business area of an organization. Lie areas that can impact the organizations ability to meet customer requi -rements.)

* System of Functioning

* Documents and data needle

1 Minutes of meetings

@ organizational primer with quality

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- @ waste management committee
- * Area of responsibility: waste management
- A Report to: operations officer or pirector
- A output: auality management system on waste management, producing efficient and effective waste management system.
 - a Medical Audit and Tissue committee
- Area of responsibility: outcome in patient care such a mortality, morbidity, and tissue review.
- * Report to: medical Director
- * output: Acceptable mortality morbidity and unnecess
 -y operation rate
 - 19 Tumour Board
 - * Area of responsibility: cancer management
 - A Report to medical Director
- * output: auality management system on concer manage
 - 1 Medical Records committee
- * Area of responsibility: Medical records
- * Report to: medical Director Costistance most neede
- & output: Quality management system on medic

4 Bio Ethics committee

- A Area of responsibility: Bioethical matters in patient care.
- * Report to: Medical Director
- * output: anality management system on bioethical matters in polient care
- Sie B Pharmacy and Therapeuble Committee
 - * Area of responsibility: Drug bherapy
 - * Report to: medical Director
 - * output: awality management system on drug therapy.
 - 6 Infection control committee
 - A Area of responsibility: Infection control
 - * Report to: medical Director
 - A output: auality management system on infection control.

De Quality council

A Area of responsibility andi

quality management system

*ABDULLAPURALES

services and

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B.R. Dist, Telangana.

* Reposit to: Mancom/Hospital Director

	Function	Abbendance	Membership Tenu
Regular	Fullfil prescribed	Regular	Appointed yearly Subject
	tasks		renewo
Ad hoc	Assist	As needed	Invited by yearly regular subject renew
ex-officio	Advise	As needed	Invited or yearly designated Subject
			renew

1 Execom committee

- + Area of responsibility: anality services and organis
 -onal direction
- * Report to: Board of Directors
- ★ output: Effective and efficient governance policie decision—making and oversight producing quality se and financial stability.
- A Area of responsibility: Quality services and operation management.
- * Report to: Execom
- * output: effective and efficient operational strateging producing anality service and Minancial stability.
 - 3. committee on medical services

- 9 Bioghics committee pharmacy and Therapeutic committee Infection control committee a awality council B waste management committee Medical Audit and Tissue committee 6 Tumour Board medical Records committee (14) Credentials committee (tQ) Blood Transfusion Committee (B) Function of committees: Fulfill tasks effectively and efficiently that will lead to quality outcome and Excellent results with near-zero complaint from internal as well as external customers. + provide training and education to promobe goal achievement. conduct research to promote goal achievement - policy formulation # coordination > work together money and well d Monitoring - Residue PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Types of member
 - 1) Regular mombers

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(C) Hospital Committee's

* Committee" - A group of people appointed for a spe function by larger group and typically consisting of members of that group.

⇒A person or group of persons elected or appointed 1

perform some service or function so as to investigat

report on, act upon a particular matter.

Hospital committees: are regular standing commit prescribed by regulatory agencies and deemed necessar by hospital administration in formulating policies, coording and monitoring hospital—wide activities that a considered critical in delivery of quality health care services.

* Types. of committees.

- O Executive committee)
- 3 Mancom (management committee)
- 3 committee of medical services

- (The pharmacy and Therapeutics committee shall develop palicles and procedures governing the hospital formulary and the medical staff shall adopt these policies and procedures subject to administrative
 - (d) The policy and procedures shall afford quidance in the approisal, selection, procurement, storage, distribution, use, safety procedures and other matter relating to drug in the haspital and shall be published in the haspitalis formulary or other media available to the member of medical
 - @ prescribers should be strongly encouraged to prescribe drugs by bheir non proprietary names.

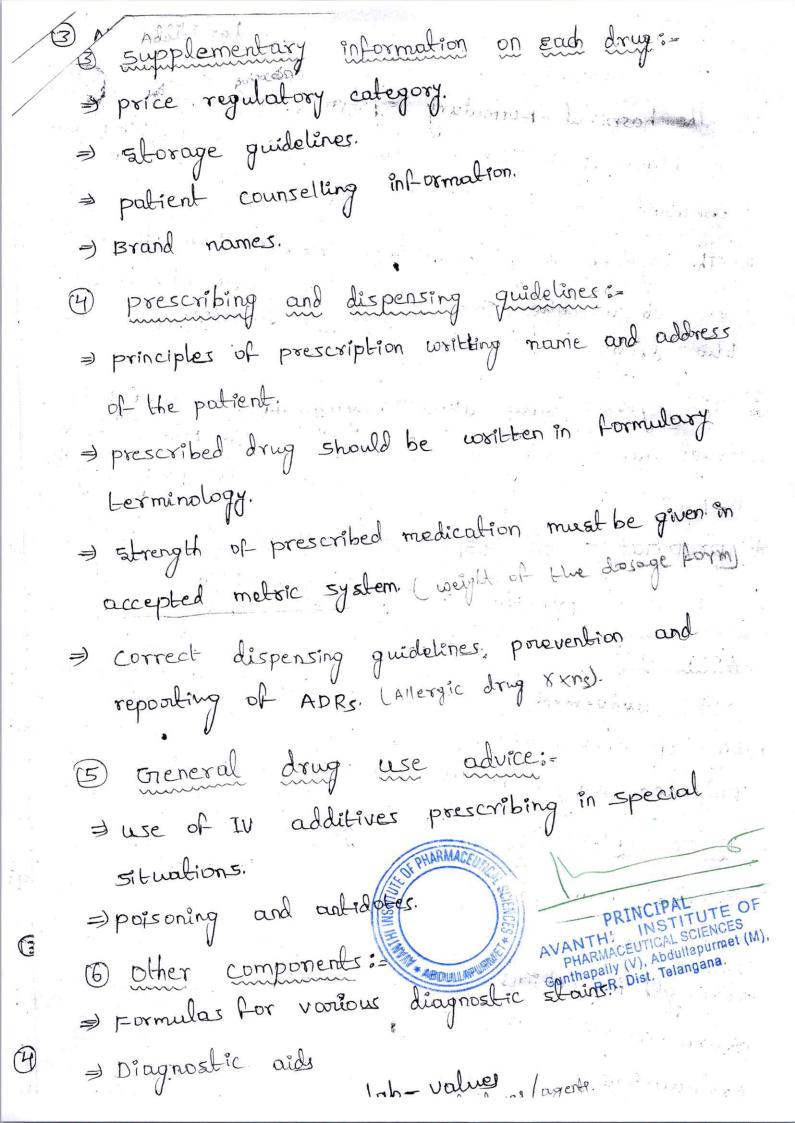
 The that has an identical Apt in some offer form safe safe equivalents.

 The orderic Equivalents & therapeutic equivalents.
 - - Depharmacist is responsible for selecting from available equivalent.
 - 1) That the prescriber has the option, to specify the brand for that particular prescription.
 - PTC is responsible for doler mining twose principal prin drug products

 A sing starts are inflormed about

- The Formati=
- => pharmacist decides the format before commo work on pounting and publishing in the hospits
- => He (she has to collect formularies of some lead hospitals as well as their format.
- =) copies of finally published formulary may be sent to bodies like directorate general of health services (DOIHS), Grovb of India, pcI etc.

- ⇒It is sufficiently small in size so that it could Easily carried by clinicians, nurses etc. in t pockets of their uniform or lab coats.
- => The hospitals may determine their own size of formulary.
- Type of Format:
- or Mimeo graphed in = Loose leaf or bound printed and assigning categories.
- * Guideline Eux Hospital Exmulary:=
- The Groverning body of the hospital shall appoint a pharmacy and Therapeutic committee composed of phy: and pharmacists which will prepare the hospital form system. in Lindu shall spt



- Disadvantages of Haspital Earmulary:

 The hospital formulary system deprives the formulary of the right and prerogative to preserribing of the right and prerogative to preserribing obtained the brand of his choice.
- The System may sometimes permit the pharmaci to act at the sole judge to which the brands
 the drugs to be purchased and dispensed
- The system may allow buying inferior quality of drugs and it drugs and it may also not reduce the cost of dru dispensed to the patient or the third porty pay
- * preparation of Hospital Eormulary:-
- =) It is a principale responsibility of the PTC
- 1) Introductory information:
- => Acknowledgement -> Acceptance of the truth.
- =) Intended usage of the formulary manual
- @ Basic information of the drug:=
- =) Gieneric name/common name
- => Dosage Lorm
- = strength indications
- > pharmacological action
 - · pre cautions

- 3 Newer sales promotion strategies of pharmaceuti--cal industry.
- 9 The public interest in getting possible health care at lowest possible cost.
 - * Hospital Formulary System:=
 - DIt is a system whereby medical staff of the hospital can select and evaluate medicinal agents and their various dasage forms with the holp of DTC.
- @ It powvides them the required information on procuri. -ng, prescribing dispensing and administration of drugs under brand / generic names.
 - A Advantages of Hospital Earmulary:
 - 1) It porovides the practitioner with approved and Efficacions medicines to treat disease.
 - 1) Hospital formulary reduces the inventory cost of the drugs. It regulates the number of medicines by improving the procurement and inventory management.
 - It improves the audity assurance and Easier Principal Avanthi Institute of
 - PHARMACEUT AL SCIENCES IN Countration (No. Nobdullapurmet (M),
 R.R. Dist. Telangana

5. Hospital Evenulary o 4

Definite Hospital Formulary is a continuously revised continuously revised continuously revised compilation of pharmaceuticals including important Ancillary enformation that reflects the current clinic Judgement of the medical staff.

- The first scientific hospital formulary in India wa published in 1968 by the pharmacy depostment of CMC -> christian medical college vellore (T.N)
- =) The first HF for a Grovernment beaching hosp in india was published in 1997 at Grovb medic collège and Hospital, Touvandrum. (Kerala)
- * The need has thespital Enriquency:-
 - 1) The increasing number of new drugs manufacture markoled by drug companies.
- Discreasing complexity of untoward effects of me potent drugs.

10 work tables.

The above list is only illustrative and not exhaustive. Learn everything (thorough going)

Implementation of -

>"Implementation": is defined as "Act of carrying out the plans, programs and projects in accordance with the strategic plan in order to altain set goals and objectives. Responsibility

* It consists of...

A. Elsucture and Grovernance

B. Institutional and individual Accountability.

C. plan financing

D. plan execution.

A structure and Grovernance:=

=> Formal aboutture is the Established patterns of relationships among the component units of the organization. AVANTH! INSTITUTE OF GYNTHARIA CEUT SOLFREDURMEN (M), R.R. Dist. Telangana

=) Designates formation o. al. Aino the number of levels in the hierarchy

- (12) pressure pumps
- 13 Vaccum pumps,
- (19) Refrigerators
- (15) weighing machines, and scales
- 16 type writers
- 17 work tables
- 18 moters conductivity, pt, polarimeter etc.
- =) Following is a sugested list of items for wo life periods may be ascertained and fixed whi may be utilized by the Budgeting Authorities.

Ald of the state of

The street of

el la company de

- * Administrative Equipments:-
- D. Book, cases Lwooder/motal),
- 12 Notice boards,
- 3 calculators, 1 computers,
- 9 personal computer, printer, scanner etc
- 3 cash registers,
- O Clocks,
- @ Desks (wooden),

method of preparation

- * Trituration Method: (Treometric dil) those only mixing a smia @ used for Linely divided insoluble powder poulicles or liquids insoluble powder are added by geometric dile Liquids are added by making well in centre
 - @ Air pocket, formation avoided. Involved the use of glas slab when small quantities are used mortar and pest used when we have large quantities.
 - D Levigation method:-
 - 1) Incorporation of insoluble coarse particles. Also known. as "web griding".
 - 1 Insoluble coarse pouder is subbed with moltren base or liquid or a semi-solid base.
 - (1) A considerable shearing porce is applied to avoid grittiness.
 - 3 Eusion method:=
 - and other soled are sole 1) It is used when the drugs

in the birthent base

=> The base is liquotied & dissolved in the motherwise

The congoal mixture is then speculated or briburated t

Manufacture of creams softer consistency JEMUSION of OF BH2. A "Defin": a thick 'liquid or semi-solid cosmoloc or medica preparation applied to the skin. Advantages = suitable bose * Jemi- solid emulsions of either 1) convenient and easy to apply (Aqueous) of the cream of the cream of the convenient and easy to apply (Aqueous) of the cream of the convenient and easy to apply (Aqueous) of the cream of the cream of the convenient and easy to apply (Aqueous) of the cream of the @ Avoid fluctuation of drug levels inter and intra patent variations. * Easily H20 washable > Easy to wipe away.

B) Achievement of efficacy with lower total daily dosage of drug by continuous drug input. * Disadvantages:= O skin irritation of contact dermatitis may occur due the drug and (excipients.

* stability is not as good as ointment.

D poor permeability of some drugs through the skin. B possibility of allergic reactions. to (of ore dispersed in a conting of ore dispersed in a conting * Ideal Properties:= Los grenglissabi o easy to apply. 2) spread Easily on the skin. ere vanishing column Deasant in appearance * who cream) are composed of the should be Non-inflammatory.

Should be Non-inflammatory.

Continuous only phase

Skin.

Continuous only phase 3 melt or tiquely when applied on toothe slein. We toh classification of creams a According to their tun cleansing and cold creams Foundation and vanishing croams

Rinse the beaker with yml of purified Hyp-& pour into the mortar. Add tween 80, glycerin, sorbitol, liamid & colour, continue triburation, Add menthol and peppermint oil triburate for at least. Estimate the content of drug. Transfer the supersion into a clean, dry bottle, seal with pilfer proof cap and label. 4) Liquid paraffin - magnesium Hydroxide Emulsion: * composition;= Mg(04) _ 6.24. Liquid paraffin - 27%. use: - Antacid and osmaticalive PRINCIPAL AVANTH! INSTITUTE O PHARMACEUTICAL SCIENCES manufacturing method Transfer liquid paraffin soint marked at 50 ml place it over a magnolic stirrer Add MoroH muschure gradually with constant stirring

bobermine the alcohol content & lot per mil on ave =

3 Antacid suspension:

* for the Hormacles:=

A Composition:=

Each 5 ml contains

Dried Aluminium Hydroseide Ord IP - 250 mg
magnesium Hydroseide IP - 250 mg
Dimethicane activated IP - 50 mg

* we - (Antacid)

* manufacturing mothod:=

Take required quantity of syrup in a 25 ml clean beaks heat on a boiling 1420 bath.

Add weighed quantity of methyl poraben, propyl para sodium benzoate, bronopol.

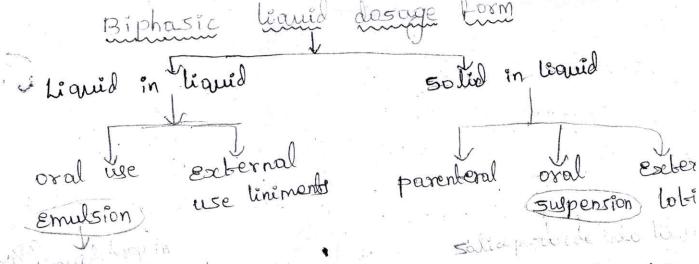
stirr with a glass rod until dessolved

Add sodium cMc, stirr with a glass rod until a mucitage is formed.

Take aluminium hydroxide, Mg (0H) & Sodium CMC.

Filter through 500 sintered glass under vaccum potermine alcohol content, it should not be L. T 1 1. Fill in glass bottle sed with pilter proof cap Label property, store at a temp (7) below 25°c @ concentrated chloroform water:= * Mfg formula:= chloroform _____ lomb Alcohol (90% v/v) - 60ml purified water _ Lot size:= 100 ml * manufacturing method:= Measure 60 ml of alcohol (90%) & bransfer into a 250 ml conical flask Add drop wise 10 ml pipette muitan shaking. Add about zoml of purified Has slowly with

constant shatting,



Syrup: a thick, sweet liquid made by dissolving worder, often used for sugar on boiling worder, often used for preserving fruit.

Dex:= [citric Acid 5yrup]

Mfg. formulas=

Lemon Tincture USP -0.25 ml citric Acid, Hydrous USP - 0.25 gm purified H20 USP - 0.25 ml Simple Syrup USP - 9.5.

* Lot size: 25 ml.

* manufacturing methodis=

Take weighed quantity of citric acid in a color 50 ml measuring cylinder.

Add purified Hzo, & Shales to dissolve.

- Disadvartages:= Shorter life before expiration than other dosage forms. more difficult to administer. Harder to measure accusately. May have special storage requirements. Types of liquid dasage forms: =) L'amid dosage forms are classified into two types. 1) Monophasic Liavid bosage form (P) Biphasic Internal use poventeral use O Application Dused in Mosebure syrup elixirs Linctus on skin * Liniment * Chargles * mouth wash * Lotion * Throat paint
 - & external use

3) Inserted into body cavities

Douche ear drop nasal drop Nasal spray.



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transfacture of Liquid Desage torms

- "Def": The liquid dosage forms may be intended for or administration (oral liquids), ophthalmic or ponentero administration (sterile liquids), or for external app - tion (topical liamids).
- =) These may be solution, suspension or emulsion type.
- => L'avid form of a dose of a chemical compound used as drug or medication intended for administration or consumy
- =) may be administered systematically by mouth or injected by using different techniques, ento the skin, museles, c

veins.

- * Advantages
 - @ Better for polients who have trouble swallowing.
 - @ Faster absorption than solids.
 - 3 palabable.
- 1 Best choice of for children and old age person.
- 5) More Meseibility in achoiving the proper desage of medication.

potassium (iii) calcium (iv) magnesium. B Anions:= one (-vely) charged Electrolytes (1) chloride (i) phosphale (ii) Acolade 1) Chloride:= is the major extracellular anion Along with sodium, it regulates interstitial Osmatic pressure =) chapride also helps to control blood pt. =) porenteral chloride porepris include cacl ked and wach Dialysates: They are irribating solutions used in the dialysis of patients with disorders as renal failure, poisoning, and electrolyte disturbances, * These products remove waste materials, and toxic products from serum electrolytes, the body. @ In peritoneal dialysis PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), 1 In hemodialysis R.R. Dist. Telangana Irrigating solutions:= They are used to process

- =) water suitable for poventeral preparations
 include sterile water for injection and bacter
 -static water for injection.
 - Deinger solutions:= are appropriate for dilutions of such fluid and Electrolyte replacement commonly are administered to post surgical patients.
 - D Ringer injection
 - (ii) Lactate Ringer injections.
 - 2 Electrolyte Proparations:>

Ions present in both intracellular and Extracellular fluid, electrolytes are crucic for vorious biological processes.

- => Surgical and medical patients who cannot tall food by mouth or who need nutritional supplen relation require the addition of electrolyte in hydrating solutions or parenteral nutrition solutions.
 - a cations:= one positively charged electrolyte (1) "sodium" -) is the chief extracellular cation
 - (a) It plays a key role in interstile asmotic pres tissue hydration, acid-base balance, norveimpulse transmission, and muscle contraction.

5 sodium chloride injection:=

It is a sterile isotonic solution of the in water for injection. It contain no anti-mi -bial agents.

6 Bacteriostatic sodium chloride injection:=

It is a sterile isotonic solution of sodium. chloride in water for injection containing one o more suitable anti-microbial agents.

A some important parenteral preparations:

(A) I.v Admixtures:=

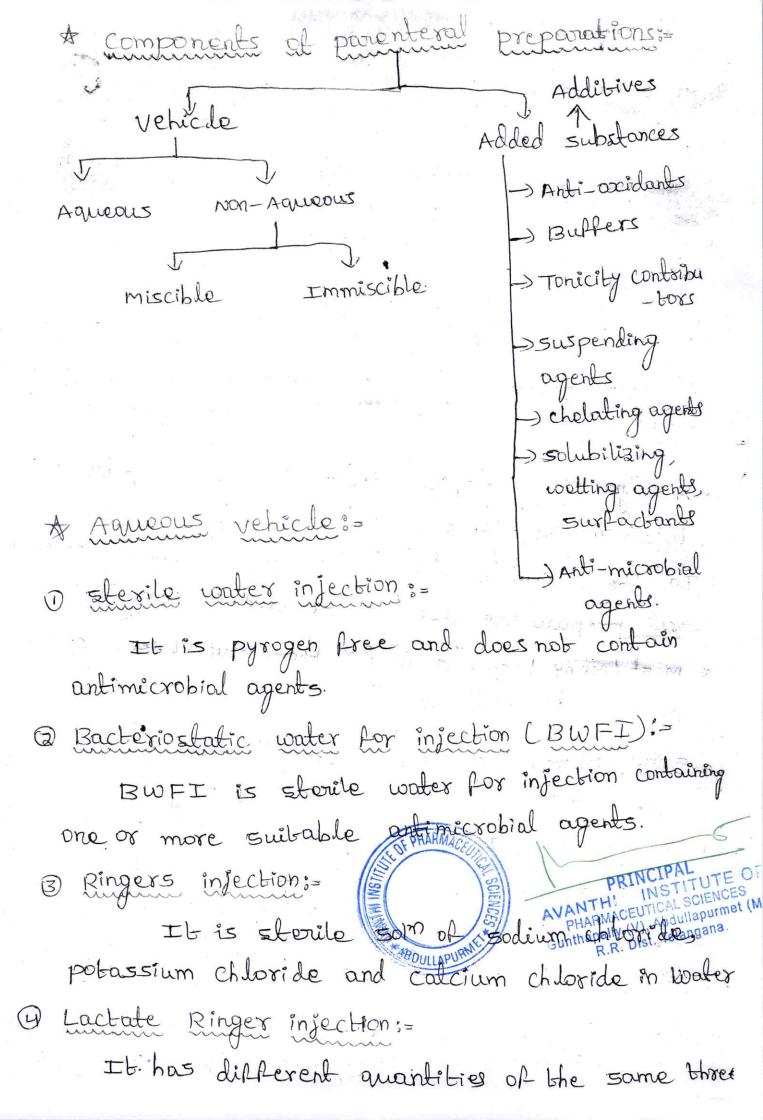
These proporations consist of one or mor sterile drug products added to an I. v flui generally Dextrose or sodium chloride solution alo or in combination.

- =) IV admixtures are used for drugs intended fi Continuous influsion and for drugs that may caus irribation or baxicity when given via direct I.v injec
- B I.V Eluids and Electrolytes:=
- 1 Eluids:= used in the prepr and administration parenteral products invalude @ sterile water and (i) sodium chloride, in berebrose, and in principal solinstitute of avanthi so These fluids have maltiple tues, Gunnigally (V), Abdullapurmet (M), R.R. Dist. Telangana.

- frequently used glucase solutions in parenteral preparations.
 - (D5W) is used as a vehicle in IV admixtures.
- =) D5W may also serve, as a hydrating solution.
- Because the pt of DSW ranges from 3.5 to 6.5 instability may result if it is combined with an acid sensitive drug.
- (iii) In higher conces (ex:= a 10.1. 5011 in H20), dextrose provides a source of corbohydrates in parenteral nutrition solutions.
- in patients with diabetes mellitus.
- D sodium chloride :=

Nacd usually is given as a 0.9% solution Because it is isotonic and honce mormal with blood this solution is called normal saline solution (N55).

- =) A 5017 of 0.45% Nacd is termed half-normal saline
 - (i) Pringer injection sterile sodium chloride for injection (ii) Lactabe Ringer injection. Bacteriostatic Nacl for injection



Manufacture of pharmaceutical preparations (ste

- * A large sized haspital deals with critical patients in addition to others.
- * In the critical patients, it is very common to use per -ral preparations that one orequired in emergency.
- * Most I Many hospitals go for the manufacture of sterile preparations within hospital.

small volume parenterals large volume paranterals (LVP)

- ① An injection that is packed in ② An injection that is packed containers tabelled as containing containers tabelled as containers tabelled as containers to ml or less.
- 3 single or multiple use @ single use
- 3 prings 3 used to provide calories,
- @ preservatives are used @ preservatives are not used
- De Administered through De Administered throug I.v. various parenteral routes. infusion technique
- @ Isotonicity is not essential @ Isotonicity is must
- 1 pyrogenicity is not essential 1 pyrogenicity is essential.

© Buffering Agents:
* They prevent degradation of API -) due to change in f by monitoring desired pH * 50 buffer selected -> should not affect pharmacolog activity and solubility of drug * The most ideal pH of parenteral preparation is - 7.4 A Examples:= Acetate buffer Acolic acid buffer Benzoate buffer sodium bicarbonates buffer (d) solubilizers (sunfactants):= These are used to increase salubility (wetting-proporty) of drug To disposse water insoluble donn to from * Examples:= propylone glycol povidone poly soons PEG 30 only conting Dioctyl Stewrous (e) chelating Agents: These inactivate heavy motals -> such as copper, I

A examples: EDTA (Ethylene Diamine Totora Acotic acid) and its salts. sodium or potassium salt of citoric acid. (f) Tonicity contoubuting Agents:= parentorals need to be isotonic with -> body fluid depends on amount of and nature of solute prosent in it. Tonicity adjustment is done by 2.0%. Boric acid * Production procedure of poventeral preparations:= * steps involved in production are:= -) cleaning of containers, closures and Equipments -> collection of materials -) preporation of a porentoral product > Filtration -) Filling the proparation in final containors -) sealing the containers -> storilization - Evaluation of parentoral preparations -) Labelling and packaging

18 No chance of missing dose 9 used in case of emergencies -> when rapid action is required * Limitations:= 1 self - medication is not possible. @ Requirement of a septic bechniques in _) production compounding 3 Real or psychological pain associated with injection. 9 regligence during administration can lead to infections. Expensive O Impossible to retrieve it adverse reaction occurs. of parenteral preparations Excepients l'Additives vehicles -Anti-oxidants -) Aqueous vehicles (water) -) Anti - microbial agent (preservatives) -> Non - aqueous vehicles -> Buffering agent -) water miscible vehicles -) 50 hubilizons (sunfactants) - cholating agents. Tonicity contoributing agents. a Aqueous vehic water is universal solvent - used in provimaceutical

- @ Excipients / Additives / Adjuvents :anti-oxidants:= prievent oxidative dogradation of active ingredients by - undorgo oxidation in place of API (Reducing agents > Block an oxidative chain reaction > prevent oxidation by forming a complex. * Examples:= * Reducing agent -> Ascorbic acid, sodium bisulphibe and sodium mota bisulphite * Blocking agent - Ascorbic Acid esters, Butylhydoroxy toluene (BHT), Tocophonals. * chelating agent > Ethylene diamine botra acctic acid (b) Anti-microbial Agents (preservatives): * These substances are added in adequate quantity To prevent growth of microorganisms Act as proservatives or anti-bacterial agents
- Benzalkonium chloride 0.01.1.

 Benzyl alcohol 1-2.1.

 Chloro butol 0.25-0.51.

Mini bags (25 to 100ml) (6) Louge volume parentonals: (LVP) I.VF > 1 ml - soom!/ varies forom 5 ml or above.

[LVP] (Description of Electrolyte and nutrients.

(Description) + Fluid, preplenisher of electrolyte and nutrients.

(Description) + Fluid, preplenisher of electrolyte and nutrients. @ powder for injection - antibiotic injections (b) Colloidal solutions - I mon dextran C Injectable emulsion - proposol usp @ Injectable suspensions - methyl prednisolone acetale @ Oily injections - Dimercaporal injection. (F) Infusion fluids * Advantages: 1) Ease of down administration in unconscious patients. Drugs which can not delivered through oral routes unstable poor GI absorption can be administered > directly administered in Systemic circulation. AVANTHI Abdullapurmet (M),

PHARMACEUTICAL SCIENCES

PHARMACEUTICAL SCI 9 Fluid and electoral Gunthapally (V), Abdullapurmet (M). orapidly maintained R.R. Dist. Telangana

propared by reverse comosis (or) by distillation used in parentoral preparation * WFI is -) Pyrogen free distilled water.

- * The aqueous vehicles used are
 - -> water for Injection
 - -> water for Injection free from coa
 - -> water for Injection free from dissolved oir

6) Non-aqueous vehicles:

* some porentoral foormulation employed -> Non-agueous.

drugs shows poor agricious solubility when prolonged action is required -> storoids. when doing is susceptible for hydralysis.

barbiturales

* Ex:

Fixed oils -> Anachis oil, cotton, seed oil, almond oil poly propylene, Alcohols, glycorine, polyethylene glyco. glycol -> These one insoluble of slightly solul

@ water miscible vehicles:= mainly used as co-solvent

Ethyl alcohod.

indicating complete absence of physical, chemical. and biological contamination * As parentenals -> bypass GIT and Liver directly enter into the systemic circulation has Rapid onset of action and 100% bioavailability

* Examples of parenteral desage form: @ small volume poventenals -> injections, suspensions, emulsions, Acreezedoued poudous, (1) Large volume pomenterals -> Fluid, Electrolyte and (ii) Biological preparations -> vaccines, seram, blood pells (iv) ophthalmic proportions -> Eye drops , Eur drops 1 Invigation fluids - to wash wounds, swagical cavities. Wi positoneal and harmodialysis solutions plasma volume expanders of poverteral PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana 1) Based on volume:= @ Small volume porent

to not more than

6. Manufacturing of possenteral preparations * Defin :- The word porenteral is derived from Grocek word o paga " entoron Contside (Beside) Routes other than orial route of administration 50 parentoral perspanations are defined as storille losage forms which are intended for administration into body. Either by injecting. infusing or implanting the disactly into blood vessels, Lissues, Lissue space body compartments. * parenterals are essentially - storile, provogen tores L'auds

manufactured under storict aseptic envisionment

Vacation when the sture of tagal one. It mede This method is safe and legal one. It mede the demands of the hospital and patients and enough you will in the community.

=) This is a better method to sateguard the hoalth needs of the patients on a nound the clock balls and during emergency.



PRINCIPAL

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Gunthapaliv (V), Abdullapurmet (M),

- → The emorgency box must be large enough to contain the necessary supplies and yet sufficiently compact to facilitate handling them.
- The emergency drug box should be kept at an accelsible place known to all word porsonnel and should be nearly for we at all times.
- =) Emergency box should have an inventory & powduct contorol coold in the box to check outdated drugs and contorol the inventory information for replenishing.
- @ phormacist on-call system:=

This system also provides for 24 hrs phormacy service. Extora pay plans one given to the phormacist on call

- => Ratational plans of on-call duty do not burden any single individual pharmacist.
- => The phormacists can be called -on-duty by. protation so as to offer round the clock
- Doutstanding sorvices to Local Retail phosmacy storie:

* All other general conditions for dispersing narcotice to one applicable to the dispersing of narcotice to out-patients

Dispensing During off Hours

various methods one considered, whose by a hospital phormacy may provide a 24 hour phormacy service and supply drugs during emergency.

Authorising physicians and nurses:

physician may enter the phormacy and obtain any special medication not provided through the floor stacks, night cabinets or emergency boxes. However, this act should be necorded.

Evening and nights mussing supervised to pick enter the pharmacy and are authorised to pick up limited number of drugs. But, this mothed dangerous and illegathanmaring principal principal of principal of any varinger in the principal of any varinger in the pharmaceurical any varinger in the pharmaceurical any pharmaceurical any pickup only items.

=) It is comparable to dispending forom nursing morgency Boxes and night Drug

ane applicable to the dispersing of narcotics to out-patients

Dispensing During off Hours

a hospital phormacy may provide a 24 hour phormacy service and supply drugs during emorgency.

Authorising physicians and nurses:-

physician may enter the phormacy and obtain any special medication not provided through the place stacks, night cabinets or emorgency boxes. However, this act should be necorded.

Evening and nights nursing supervisions may enter the pharmacy and one authorised to pick up limited number of drugs. But, this mother is dangerous and illegal.

- =) Nurses should not compound any prescription. They may pickup only the probabelled and pre package items.
- =) It is comparable to dispensing from nursing cabinets.
- B) we of Emergency Boxes and night Drug

- * The doctor should not write prosecription for now for his own we
- * Narcotics obtained for word we should not be issue to home we by the patients on discharge.
- * These one all the procedures followed in majority of the hospitals, but may have additional or bed conditions in a few hospitals.
- 3 pispensing to out patients:=
- > The prescription for norcotic to outpatients must contain the following information:
 - las patients full name.
 - (b) patients Address
 - (c) Hospital number
- d) Date
- (E) name and strength of the drug

 (E) amantity to be dispensed
- (2) Directions for we
- (b) signortwie of the physician.

VANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M * The porescription must be written in ink. R. Dist Tolangana. must not bear any correction.

PRINCIPAL

*Noncotics should not be dispensed for more than one day's use, unless proscribed specifically by the physician.

copy of prescription should be wortten for noncotics, inpatients, along with the usual prescription woulten on the case shoot by the Eneating physician.

Adocument recording phierd medical history in must be complete in all

* This separate prosescription must be complete in all aspects as described above and sent to the dispensary. The drugs supplied one kept under "lock and key by the "word nurse" and administrated to the patient as per the dinactions woulten on the case shoot. * A pow re nata (prn) (occasionally) or si opus sit

(505) Cuchenever necessary) prescriptions for

narcotics must be discouraged except under special

circumstances. * The doctor may give orders by tolephone in case of necessity. *Then the nume writes the order on the doctors
prescription sheet, stating that it is a tolephone
order. * The number has to wonte the doctor name and put *The doctor must then sign the order within 24 hours. * similarly a doctor may give verbal content for noncotice drugs in an extreme emergency, where time does not pormit wordting the order. * The number must workte the conder on porter cription

=> The Dispensing process: * Step-1: Receive and validate. As soon as
you receive the prescription, you need to validate * <u>step-a</u>: understanding the proscription. * Step-3: Label and priepare the medication * step - 4: Final check * Step - 5: Record your work * step-6: Delivery and patient consultation. * Hospital procedure for pispensing worketics:-1) Responsibility for narcotics in the hospital:-* In general the administrative head of the hospital is nesponsible for proper safe quarding and handling of narcotics within the hospital. * chief pharmacist is responsible for purchase, storage and maintenance of account and poroper dispensing of narcotics in particular. * 5imilarly head nurse of a wood is responsible for the proper storage and use of controlled substances (narcotics) in the words the principal AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES rensing to inputients:-Gunthapally (V), Abdullapurmet (M) he administration of municipality drugs to the is by the nurse, and these drugs are not rectly to the patient four self administration

rankoral over its use compar

Drug - Dispensing

- * Defn:= Dispensing refers to the process of preparing ar giving modicine to a named person on the basis of posescription.
 - =) It involves the correct interpretation of the wishes of the prescriber and the accurate prreporation and Loubellin of medicine for use by the patient.
- Dispensers assist with the preparation and supply of medication to patients.
 - Dispensing medication to patients safely and in accordar with regulations
 - =) Disposal of returned medication.

call but little

* Responsibility of pharmacy in dispensing: =) The basic duty of a pharmacist is to check ponescription From physicians before dispensing the medication to the patients don't receive to patient to ensure that the patients don't receive to wrong drugs or take an incorrect dose of medicine.

- The sale of drugs to the polients may be subdivi further based upon the patients ability to pay or the Employment status if they are employed by the ho
- * FOOT Example, The patient can be of the following typ
 - I) Those who pay fully.
 - 2) Those who pay partly.
 - 3) Those who cannot pay at all.
 y) physicians (not paying).

 - 5) Greneral employee
 - The Expense Accounts:=

Expense accounts in general may be divide

into following categories:

- principal professional care of the patient Sunthapally (V), Abdullapurmet (M), R.R. Dist. Telangana.

 3) out police 1 3) out - patients and emorgeness
- 4) Miscellaneous expenses.
- => The department of pharmacy is normally listed und the category of professional come of the patien FOOT accounts purpose a suitable code numbe ren to these categories.

(a) salaries and wages
Il Francisco and expenses
c) Drugs and pharmaceutical Expenses
d) purchase services
(e) Miscellaneous supplies and Expenses.
@ Falaries and wages:
=) This includes salaries and wages of
i) pharmacists
ii) Assistants
iii) clerks and
iv others
(Salaries and wages paid for)
Derman Little Li
Staff. permanent Temporary proposed Requests staff. posts new posts for overtime
(full time) (part time) payment
Filled
position vacant
position positions
=) The pharmacist (chief) should subdivided all posts into
further three collegonies viz.
y Admire Institu

service as well as to special services depostments.

- =) This total, when added to that obtained from the processing of patient prescriptions and requisitions, represents the true income of the deportment.
 - * Following statistics one of value in assisting the management to accurately predict the volume of activity of the department of pharmacy. They are:
 - (a) Number of prescriptions according to the sub-Categories described earlier.
 - (b) Number of prescriptions dispensed by each pharmacist.
 - (c) Hours of work put in.
 - (d) prescription volume per hour of service.
 - (e) medication cost per patient day.
 - (f) medication cost per clinic visit.
 - AVERAGE

 AVERAGE

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 R.R. Dist. Telangana.
 - (b) Average solary cost per prescription.
 - (1) Average supply cost per requisition.

- =) enhance efficiency of staffs and others.

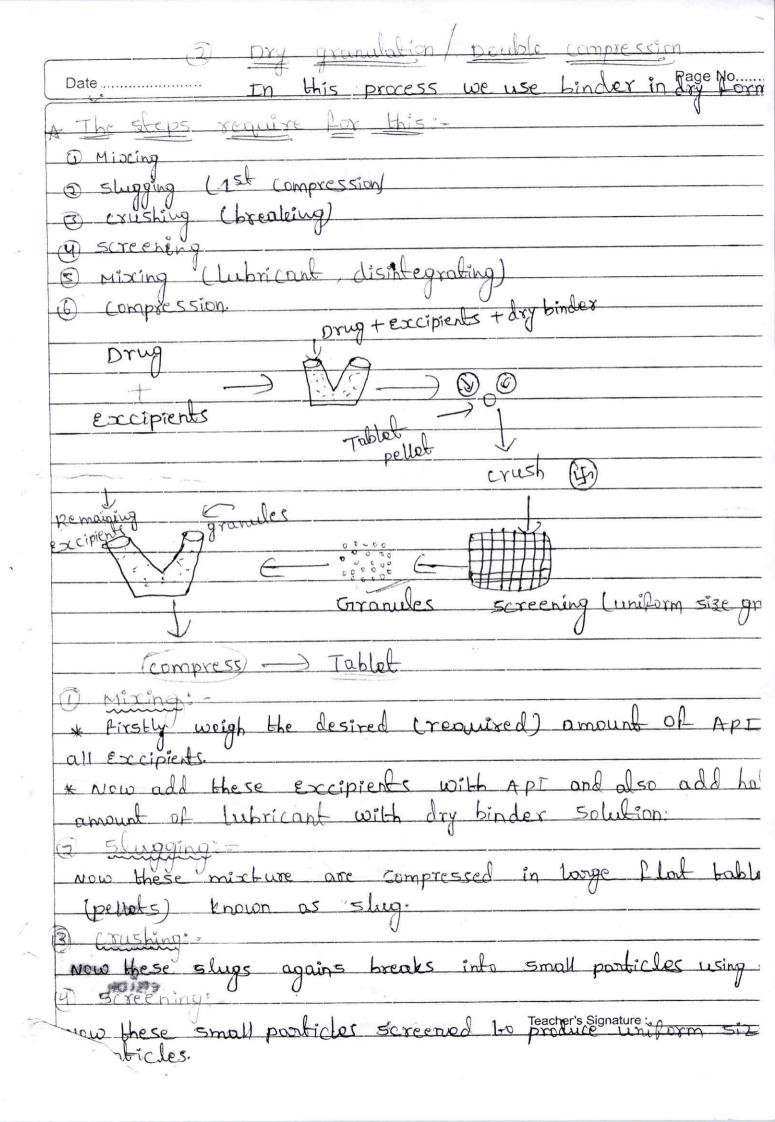
 * Disadvantages of Budget:=
 =) It is time consuming and expensive.
- => There is danger of over budgeting; the budget become Cumbersome, moaningless and expensive.
- => Forecasting is required but uncertain because but -ry control is subject to human judgment, interpret and evaluation.
- =) skill and experience are required for successful budgetary contoiol.
- =) It converts all aspects of organizational perform into monotary value for a single comparable 1 of measurement.

 Types of budget: 1 short-term budget (2-547) - 1 Long-term budget (5. Division of Budget
 - => every budget consists of
 - (1) Income Accounts
 - (3) Expenditure Accounts and
 - (3) Asking for capital investiments (Equipment and construction Budget)
 - 1) Income (or revenue) Accounts: 1 method for determining the is

(V) sizing the granulation by dry screening 4 Lubrication (Vil) compression. (Mixing := =) firstly we have to weigh the required ormount of API(and all excipients. =) NOW these excipients such as dituents, and half ano disintegroting agent are mixed with API through blende (v. cone blender) (3) preparing a dame mass:= NOW in this mixture we have to add a solm of binder make a damp mass. (3) wet screening:= NOW this damp mass is screened using sieve with the h hand or suitable equipments and forms granules. Now these wet granules are dried in hot air over bo'c cadjust. 5 Dry Screening: After drying these granules are screened through a soive got uniform size granules PHARMAC PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES. > Now these granules with glident then. R. Bid Tolangana 6 Lubrication:= =) And also add remaining disintegrants. proper shape and size I - 11 proper shape and size to the tablet

Formulation of tablet
Date
to tablet are myd by granulation bechnique. which can carried out by following 3 method.
medicoment with or without excipients.
1 web granulation
Dry granulation . 3 Direct compression
drugs is converted into small granules. -> which further used to prepare tablets.
+ Excipients Binder
Tiranules
powder of drugs
(Small/Pine)
In this process, we use binder in web form
* The steps required for this -
D'i preparing a dame mass using birden ed line
Sir screening - granulation (iv) Drying By het our product of the
API + Excipients wetgrandes mixture
clamp mass Screening Teacher's Signature: + glidar

now add remaining amount of subricants and also add gli and disintegrating agent to granules and mixed it into blend 6 Compression:= NOW compress these granules into desired punching machine give proper shape and size to the tablet and produce toblet. A Advantages := I suitable for moisture and heat senselive materials @ require less eauipment W No heat or solvent are required 3 Better disintegration. Disadvantages. create more dust then wet granulation @ escpensive (3) Direct Compression: Method: = =) In this process drug powder materials is directly compri into tablet. =) This process is suitable for those drug substance whi has good excipients compressible and flow property. PRINCIPAL AVANTH! INSTITUTE OF (Double cone blender) PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M) R.R. Dist. Telangana. compress ___ Tablet OULAPURNE =) NOW firstly weight the API (medicoment) and excipients such as dituents and disintegrands. => Then mixed and prepare bablet through compression.



(b) comparision of actual result identifying deviations. (C) subsequent analysis of deviations to determine wheth they are controllable or uncontrollable. In India the usual budget proposals are annual in time period. There may also be long range developmental and a long range d -tal duration L3-5 years). Dur country is not yet ready to form a condition of business, where industry, labour, insurance and health care - associations organize a voluntarythe health care casts."

Efforts to contail the health care casts." There is inadequate budget porovisions for the health care programmes by central or the state or overn -ments, Ministry of Health and Family welfare make very little powisions in their annual budgets.

| PRINCIPAL | INSTITUTE OF | AVANTH! INSTITUTE OF | AVANTH! | | AVAN => Orives a better focus on decision making to the = Neffectively manage the financial aspects of

=) prioperly developed and used budget should have the

(a) Development of standard of performance

porepored and furnished

following goals of:

(III) Deconfruction les builders construction Budget:

=) In hospitals where providing the funds for the deputation of a physical plant and equipment again, the actual cost for replacing.

repairing or remodelling is usually readily availe

=) In such hospital, where poweriding necessary fur for maintenance and repairs of machinery and equipment and of construction, exists, these equipment arise and a major monotony burden problems arise and a major monotony burden arises and therefore, a suitable separate bud arises and therefore, a suitable separate bud may be provided.

⇒ List of Life period in yours of Depreciable Madi

-y and Equipment

* It is a common matter, for budgeting for machinory equipment both professional and administrative ones, to take into account their depreciation values.



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=) In our country, the chief hospital pharmacist has to fix their life in years in consultation with their manufacturers and for suppliers who alone can Furnish or guarantee their serviceability in terms of years as this factor depends upon workmanship, quality control factors of the item under question.

* Following is a suggested list of items for which life periods may be ascertained and fixed which may be utilized by the Budgoting Authorities.

Live Market Programmer

Y Wittogs

: . Todayal bue as =

for maintenunce and

to the harman

positions considered

arises and there

* Porofessional Equipments:=

- y Balance
- 2 cabinets, (motal, wooden)
- on 3) water distillation stills,
 - 4) Miscing Lanks,
 - 5) slirrers,
 - 1) Motalic filters,
 - D'homogenisers,
 - 8) capsulating machines
 - V tablets, manufacturing equipment etc. granulators, punching machines, mixers etc

* To communicate Decisions Made iv use policy V Revising drug formulary ADR Monitoring programmes Drug product defect reporting programmes brug utilisation review * Layout for News letter: v selection of the title contents of the news letter rormal and printing U Distribution Advantages. 1) selection of the Title: The title should be specific (clear) & unique VEX: Title like pharmacy review, pharmacy news bulletin, and pharma times

3 contents of the news letter:

~ Editorial column.

~ New drug selection

- Abstract

medical staff

New discoveries & Delivery Systems

3 Format and printing:

V structure of bulletin varies with organisation of pharmacist

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The numberation is wrinted in DAVAI BRAIN

@ Hospital pharmacy communication - News Let

* Definition:= Newsletter is a bulletin issued periodical to the member of society, business or organisation LHOSPITALS).

* Aims:=

- v For the transmission of information.
- or To communicate the decisions made by the PTC.
- * For Transmission of Information:
- · Latest information in medical sciences.
 - v newly introduced drugs.
 - · newly introduced indications
 - · New drug delivery systems
 - r update on drug interactions & ADR's.
 - · Drug therapy guideline development.
 - medication safety information/precautions.
 - Deformation to physicians nurses and other hursing st

The halance heing supplied directly to the patient.

- pharmacy controlled patient issue system:
 - => Based on direct patient issue.
- => In this systems, the drugs are issued to the patient ruth
 than the word and can be classed as unit dose system
 => The unit-dose system is where each dose is delivered by
 the pharmacy.

Drug - Distribution system

- 0 out patient Department (0.p.D):=
- * out-patient suffers to patient not occupying beds in a hospital, clinics, health centers.
- * The patient with miner and common illness go to cop.
 For consultation to the physicism.
- * The prescription written by the physician is brought to the pharmacist for compounding a dispensing.

Hospitals generally break down their outpatient be into 17 categories:

(Emergency;

& Referral or tertiage

3 primary care; de

ambulatory.

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	2
Date	Page No
Demongency outpatient:= A person given emergency or accidental care A	er conditions
A person given emagency or accidental care p which require immediate medical attention.	
oxeffered out-patient:	
the is referred directly to outpatient deports attending medical / dontal practitioner for specific other than an emergency treatment.	ment by his treatment
J	
3 primary care:= is majority care. It describes sorvices adoquate for meeting the great ma daily personal health needs.	a range i
-> This majority includes the need for prevent	tion, berult
maintenance & for evaluation & management of	various
Symptoms, problems and chronic aspects of die	ease.
Ambulatory patient: 2 is able to walk and s	since out
are wrongly culted ambilatory patients.	if, they
- However majority of the cutpatients are amb	latory.
Rx written by doctor-	
Rx Received by pharmacist 1350	election
Filling of prescription)	ibelling
Dispensed to patient	
(Receipt of payment 12) prescription tited	
Foree cash charge	TUTE OF
Rogular Aprescription?	Narcotic
5 totistics and reports. 1 Teacher's Signature:	Prescription

In patient services: These people can occury beds in 4 ps.

=> The drug distribution to the in-patient department can be carried out from the cutpatient dispensing area.

> The shalf involved in dispensing the drugs for out-putient

can dispense druys for in-patients too.

personnel can be employed.

4 systems For In-patient Drug Distribution

- (Individual prescription order system
- @ complète f-lour stock system
- 3 combination et 1 and 2
- O unit dose dispensing method
- 1 Individual prescription order system:-

This system is mainly used in small or private hospitals because of its economic consideration and I red manpeacer requirements.

* Advantages:=

- -> All medication orders are directly reviewed by phoamacist
- =) It provides closer liasion among pharmacist, physician, muse and the potient.
- =) It pouvides closer contout of inventory.

A Dispensing of charge Floor stock Drugs:-

- * These are drugs for which patient is changed for everyone single dose administered to him.

 * Selection of these drugs is made by (PTC) spharmacy = Those perfections
- * charge floor stock drugs are stored at various nursing
- * An envelope is used to dispense such drugs.
- B) Dispensing of Non-change Floor stock Drugs:
 - * These are medicaments placed at the nursing station for the use of all patients on the floor.
 - * Drug basket method. -) is adopted where nurses ched the medicines in all rooms & in the refrigerator & prepare a master list for the pharmacy.
 - * Mobile Dispensary unit:=

 - DIt is a specially constructed stainless steel bruck.

 DIT measures 60 inches high, 48 inches wide and 25 inches deep
- 3 combinations of individual Drug order and Floor stock system:=

It is a type of drug distribution system that uses individ - ual prescription () medication order system as their primary means of dispensing but have several drugs in the floor stock.



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Date	Page No
* Disadvantages:=	
There may be possible delay	in obtaining the required
medications for administration	Pato the patient.
@ 15e in the cost to the	patient.
Parker Albany Committee to the second	
3 Complete Floor Stock Sys	5tem;=
* Drugs are stored at the	nursing got station and are
administered by a nurse acco	reling to the chart order
of the physician.	
* only commonly used drug	s are stored on the floor.
* Advantages :=	
1) The drugs are readily ava	ilable for administration.
1 Minimum roturn of drugs	8
3 ted in-potient prescripti	on orders
a Reduction in number of pho	irmacy proto porsonal required
* Disadvantages:=	
1) 15e in chance of medication	errors
a rse in drug inventory -	
	cionation due to lack of proper
	e to unnoticed drug degradation
	re to medication activities.
	g station are known as "Floor-
stock drugs!	
(Floor stoc	
Drugs	
Charge-Floor	Non-change
Charles Divise	reloor-stock
(Stack Drugs)	Drugs
	Teacher's Signature :

	9
Date	Page No
4) Unit Dose Dispensing: - (Realy to administra	
unit abse medication is defined as those me	dirations lock 1
are ordered, packaged, handled, administered as	of charmed in
multiples of single doses units confaining pre	determined
amount of drugs or supply sufficient for o	ne rooular dose
application or use.	
2 1 tablet 1 capsule	
* Advantages:-	
=> patient receives improved sorvices and changed	for only
TO THE TOTAL PROPERTY.	and the second second
=) surse get more time for direct patient c	are.
> medication errors are been because = Almos	de lance document
> More space is available in nursing station	by Eliminordin
d state	
=) It eliminates wastage of drug and pille =) It contamination due to handling & pliminate	roges
contamination due to handling & pliminate	2.0
* Disadvantages:=	
71 752 5 2- ()	0 0
the bulk of the dosage forms.	ratorial 758
It requires psed number of skilled and	
in the phoimacy.	lay porsonnole
3) The cost of medication is used to the pol	ient due to
used handling changes	TELLE OLDE ED
	gan 2
(Dispensing unit pose)	
COHARAGO	TALOTO AL
CUDD DUDD AVANTH	RINCIPAL OF INSTITUTE OF
PHARMA	(M) Abdullapurmet (M),
Teacher's Signature R.R.	Dist. Telangana.
*ABDULL APURME	

- 1) centralised unit dose dispensing (CVDD):-
- * All inpatient drugs are dispensed in unit doses and all the drugs are showed in central area of the pharmacy and dispensed at the time the dose is due to be given to the patient.
- * To operate the system, delivery devices such as medication carts or pneumatic tubes are required.
- Decentralised unit pase Drug Distribution system:
 - * This operates through small satellite phonomacies tocated on each floor of the hospital.
 - * The main phormacy is for procurement, storage.

 manufacturing and packing.
 - * procedure:-
 - 1 patient profile cond containing full date, disease, diagnosis, is prepared.
 - @ prescriptions are sent directly to the pharmacist which are then enloved in the patient profile could

- If the required drug is not in the stock the complete controlled drug prescription must be written on hospital prescription blank from by registered medical practitioner and signed.
- Delivery of narcotic drugs from phormacy to words should be carried out by reliable person (you can trust to words)
- eontrol and auditing of the Powertory.
- If patient refuse or doctor cancels any dose nurse should destroy the drug in to sink and record "Refused by patient" or "cancelled by doctor."
 - * Dangerous drugs -> opium donivatives

 Morphire, polhidine

 Borbiturades & Non -booksturades

 Schedule --> xr cosmalic Act -1940

- Develop and conduct relevant continuing education programmes for hospital staff, concerning antimicrobial drug products and their use.
- @ Encourage the we of single package of storile products in place of multiple dose containers.
- I work with the microbiology laboratory to improve microbiological sensitivity screening tests and the reporting of their results.

Through participating in these and other addivite -5, phonomecists can help Ice the problems of hospital - associated infections to the lowest possible level.

Stevilization

Introduction, objectives and classification

sterilization is process that eliminates, remover kills or deactivates all forms of life, micro-PRINCIPAL

by two basic ways:

@ either by killing the microorganisms. Ccidal process

- microbes can be ournated, record of methods.
 - =) several terms used to describe the physical processes and chemical agents.
 - Destorilization: It is a process by which an anticle surface, or medium is formed of all living organism including microbes & spores.
 - Disinfection: process of destruction or removal of microorganisms capable of producing an infection.
 - O Disinfectants: chamicals that kills vegetative micro organisms. These chamicals employed only on non-living objects like places, buildings, equipments.
 - Antisepsis / Antiseptic: Destruction or inhibition of microbes in living bessure, there by preventing harmful effects of infection is called Anti-sepsis harmful effects of infection is called anti-sepsis And agents which produce antisepsis is called
 - @ sanitization: It is the process of cleaning pathoger -ic micro-organisms. From public eating, whensile & objects.
 - 1 Storile: material that has been heated or troated

A Objectives of storilization.

The main reasons or aim for controlling microbes are:=

- @ To provent contamination of sterile products.
- 10 To prievent bransmission of pathogenic microorganisms like corona virus, T.B., Leprosy bactoria etc.
- © To prievent decomposition & spoilage of food & food products like milk, bread, jam etc.
- 1 To prievent unwanted microbial contamination in antibiotics, phoamaceuticals, enzymes, vitaming, Amentation & other industrial processes.
- @ To prevent contamination in aseptic aross which are used for the preporation of storile dosage forms & storility testing.
 - P To prevent contamination of unwanted microbes in pure cultures and other microbiological Exporiments.

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Chassification or the st and Methods of sterilization physical methods. chemical Methods Mechanical methods 1) Physical methods: The various physical methods are: (A) Dry heat storilization: sunlight, Red heat, flaming.
Hot air oven; Incineration atc. B moist heat stoulization: = vaccine bath, pasteurization, Inspissation, Boiling, steam under normal pressure, steam under high pressure l'Autoclave).

© padiation:= uv-rays. X-rays, r-rays, B-rays de (3) Chemical Methods: - following are chemical methods:

(A) Graseow: - Formaldehydes, ethylene oxides, B-proprio B liquids: Alcohols, Aldehyles, phends, Halogers, Heavy motals, surfactants, byos ofc 3 Mechanical Methods: - tronorally it includes filterate of following types. A Asbestes filters: soits Ailter B Sintered glass filters: Morton filter @ filter candles: ceramic or Berkofold filter m nembrane filters: nellipore or ultra filter

- sterilization: - is the computer from our object or surfaces.

A physical Methods of stevilization:

Involves processes by the use of physical mount These involves the heat in presence of absence of moisture or radiations.

) Heat sterilization:

Most reliable mothod of sterilization of objects that can withstand heat.

- =) Common method used in hospitals—8. Labs to thomas -stable products.
-) we use moisture sensitive materials for dry heat (160-180°c) stoutization, & moist heat heat heat lizie-134°C) for others.

* Advantages:-

- @ how cost
- & very effective stonition
- @ most common & easy methods.

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* Disadvantages:-

@ sometimes not absolute storilization 11 mally unstable media sterilization Lymoist hoat

(A) Dry Heat stevilization:

- * principle:- It uses high temp (T) to kill microbes & bacterial spores and is used on item that connot got wet and for glass-wares, oils, powders, metal instruments etc
- s bry heat cause denaturation of protoins and oxidative damage.
- * Thormal death time (TDT):- minimum time required to kill a supersion of microbes at a predetermine temp(T) at a specific environment.
- * Types of any beat sterilization:=
- 1) Red Hoal: used to storilize motallic objects by holding them on a flame till they are
 - =) Inoculation wires, loops, forcep points, à sportular are Stevilized by this mothed.
 - @ Elaming:= Little different from red heat, orticles possed over flame without allowing it to become red hot. I passed over flame 3-4 times)
 - =) mouth of culture trubes glass slides, scalpels slips, olc slovilized by the mother

Central - leville supply services

Introduction:

The central storile, supply services (CSSS) on those services within the hospital which process, is and control professional supplies and equipments, and control professional supplies and equipments, both, sterile and non-sterile, to all the deportments.

- many hospitals have a csss department but they usually managed by the surgeon-en-change of the operation theatre, or by the head of the anosthesis
- =) In some hospitals, those functions one convied out!

 Lechnicians and nursing staff allached to the operation

 theology.
- The cass depostment is an extraordy important post of the service group within the hospital.
- => Totaditionally, it was a part of the surgical operation suite, because most of the stocke supplies work wed there



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operation bheatre, out-pour casualty are the main blocky requiring storile_ materials, such as the following. * Different surgical instruments * catheters - seexible tube used to deliver fluids into/withdraws * Suction tube -> used to clear liquids & slurries are drawn * Injection syringes of different size * Lint, gauge, cotton wood and dressings a soft floory mount * Linen dresses and aprons for operation theatre. * Hand surgical gloves * Tongue depressor and bonque holding forcept
This piece of wood that a rounded all beth ends

* Nasal and Aural speculae

* Nasal and Aural speculae * combellical tapes possage especially to facilitate " Visual impection in medicath. *surgical sutures and needles A Central storile supply pepartment (CSSD):-* Define = The central storile supply department is the service responsible for receiving, showing, processing, distributing and controlling the porofessional supplied e equipments (both sterile and non-storile) for all user units of Lospital for the care & safely of the patient ally control.

-on techniques.

=) The management of central sterile services is under the contorol of nursing staff.

And a torained pharmacist is more suitable to maintain storilization of equipment and proparation of intravenous fluids.

* objectives of csss:

- 1 To maintain supply of storile equipments to operation
- 1 Cleaning and storidization of all hospitale supplies
- (ii) To contribute in educational programs.
- 10 To provide storile gown, cap, more and hand gloves during operations.
- To devolop cost-effective programme by cost analysis, personal supplies and equipment.

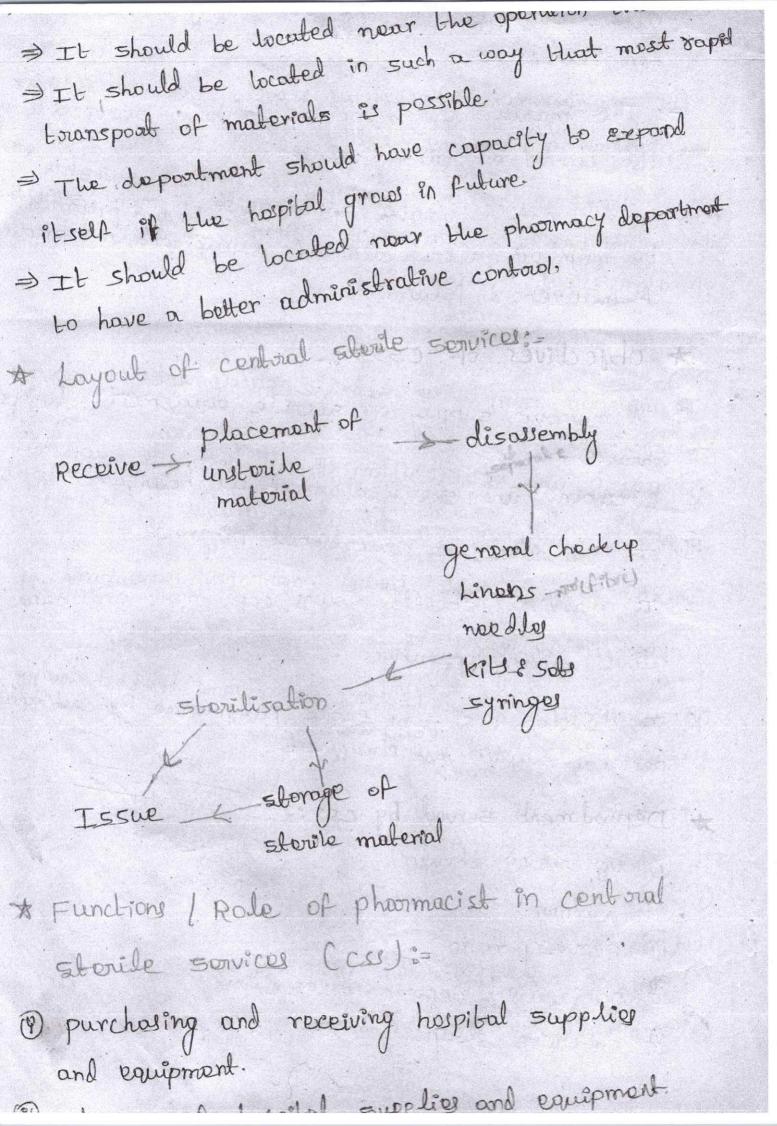
* Deportment served THAMMESS

1) operating theore 1) nursing. (ii) Recovery room

(i) out patient department or clinic

1 Intensive surgical care provide broadment & monitoring for people who we

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- (iv) maintenance wire my purchasing, distribution, etc. (v) standandization and microbial testing of storilize
- poroducts should be done. (Vi) Interacting with other professionals in health
- (ii) Adjustment of trays for better handling.
- * various Administrative patterns of central ste sonvices (cec):-
 - A nurske should be the head of this department as majority of Ptems are used by nurses of prems are used by nurses 1 Nursing services:=
 - @ phormacist services:=

pharmacist also porforms important funct ex:= procurement, storage, distribution of sur and pourpountion of various starile solut



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- OIt involves cleansing, packaging, shorilising and distributing the sterile supplies.
- The plan for locating these activities centrally, is based on the fact that storage and distribution of storile goods can be handled carefully, along with other storile of the hospital & that proceeding can be done supplied of the hospital & that proceeding can be done quite satisfactorily by pharmacy personnel
- 3 In earlier days, majority of the items used in the hospitals were made up of reusable material & they were storilised and supplied by the CSS Receiving and distribution (CCSS RD) Department.
 - Nowadays with the advent of plastics & many disposable items, like syringes, tubings, wine collection sets, Intravenous administration sets, needles & gloves, CSSR functions to dispense and distribute these items centrally.
- 5 C555 is also responsible for cleaning, storage and dispensing of specialised equipments such as suction pumps, coordiac catholers, surgical dressing cools etc.
- 1 In soudier days a CSSD was started as an equipment wash room with autoclaving facilities.

Now modern product line techniques are in use, with automatic control necording devices, to ensure starility.

(7) modern washing, daying and powdering equipments

the haspital. (1) Receiving and cleaning of equipments. (1) Grove processing. (iii) Handling of surgical instruments like needles and Syringes, their cleaning and storilisation. (iv) cleaning of rubber tubings and catholiers. (V) storilisation and preparation of surgical dressings. (1) sterile storage of surgical instruments. (vi) non-sterile storage of specific equipments that or cleaning up after end use, exist respirators and spe onthopedic devices. (iii) Issue of all supplies. Functional plan of central sterile supply beport user Departments operating patient care Ambulatory Emorgency surgical de deportments/ patient wards deportment Receiving -> central sterile supply New surgicial receiving and Ptems from PRINCIPAL dismantling,

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Aunthapally (V), AbdullaOutoutusing, ousembly

R.R. Dist. Telangana. contrat HARMLOVES) of padel, sterilising,

A Advantages of USSU .=

Sterilisation and distribution operations within the haspital =) In a hospital, in the past, autoclaves were placed on

- different floors & in the operating rooms.

 There were no trained and alloted individuals who con operate and take responsibility for all the sterilisass on different floors.
- => The Establishment of CSSD was beneficial due to reasons given below:
- @ C55R bed risk of infections due to efficient steries tion of the items under expert supervision. It prevents any defective autoclaving practices.
- DIt I ces risk of recontamination due to efficient packer of surgical products.
- Contamination by the personnel who come in direct contact with the patients and may be carried of pathagens is also prevent of as there is separate shaff at CSSD.
- Nurses are able to look after patients by devoting more time to their well-being and care rather than to storilisation work. Thus, CSSD improves the efficiency the nursing personnal.
- e CSSD also brings down capital cost & maintenance cost of sterilising equipments.

(F) CSSD prevents the duplication of starilisation equipments:

O cleaning of continers, alosares and Equipments:

All the container alosares and equipments

sugaines in resepondion of powerlevals thoroughly

cleaned with naturalent and top water

cleaned with distribed water and

Finally spined with water food injection.

* Rubber clasures are wished with hot solution of 0.5.

sodium pyrophasphate in water

removed forom solution, washed with water

tight winsed with water for injection.

In small scale -) done manually

In large sorte -) automatic washing machines



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a collection of materials * Required quantity of ingredients for formulation weighed and collected in preparation room. (row material should be pure) * water for injection should be force from-> pyrogen 3 Preparation of porenteral product:= * The pharmacist should docide - order of mixing and exact method of preparation * The poventural proporation must be proposed under strict aseptic conditions 4 Filtrations * The parenteral solutions so formed is pass through a bacteria proof Pilter. Filton candle, seitz filton, membrane filton sintored glass filter Objective is to clorify solution. *If perenteral preparation - neavuire sterilization by bacteria proof filter 50 Filtration should be done in strict aseptic

Filling the preparation in final containers:=
Filtered product is filled into final containers

scale - manually by TT In large scale - automatic filling machine sterile powders-by individual weighing or by an -tic or semi automatic mac * The filling operation done under -> struct aseptice precautions. 6 Fealing the containers 3= * sealing should be done immediately after filli => Ampoules are scaled manually by rotating neck ampoule in flome of burner =) In large scale ampoules sealing machine is used to fuse ampoule tip. =) vials and transfusion bottles are scaled by closing with rubber closures erimping the adminium cops.

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Bunthapally (V), Abdullapurmet (M).

Be immediately st 1 Sterilization porenteral prepartition should -d after scaling in final container.

(8) Labelling and packaging:= * After evaluation -> ampowles, vials, and transfusion bottles are proporty labelled and packed. Recordity control Tests of Parenteral products: @ Leakage Test: Method-I:= porformed by immorsing the ampoules in a vaccum chambon containing dye.

exil 1 1 methylene blue solution) a vaccum (about 27 inch Hg) created for about 15 to 30 min. vaccum causes the dye solution enter into ampoules with defective souling. If solution in ampoules appear blue it confirms leakage Detection of leakage is more effective when ampoules are autoclaved with dye. Advantage -> detection of lealeage & sterilization in a single operation. @ Method-II := High frequency spork best - detects pin holes The machine uses high precision electrodes

un product with mynon voitage Value voie seponated. 2 clarity Test:= This test is performed to detect prosence of porticulate matter in finished parentoral proporations proseribed limit according to I.P. particle size maximum number Incl 50 MTZ 10 Mm Z 25 MM 2 50 mm will. (a) visual method: Filled containers are examined by holding their neck against black e white back grounds the containers are slowly notated & invoited - and contents are examined for foreign posticles. 6 ricroscopic count method: A measured sample is filtered through = Swiface of filter examine under microscope

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PHARMACEUTIC This method uses on electronic instrument thetpreduces n high intensity light beam.

due to obstruction of light by particles. particles are measured and counted automatically by a shadow castings. d coulter counter method:-The sample solution is added to an electrolyte solution (Ex: Nacl) draw through small orifice of device positive and negative electrode present on eithor side of orifice as particle pass through orifice it displace its own volume of electrolyte at some time. The in masistance is observed and it is proportional to particle size 3) Pyrogen Test & * pyrogen are fever producing metabolic product of micro organisms.

* pyrogens can cause - fever, platelet aggregation and alteration in blood coagulation produce shock even death.

Rabbit Test - Adult, either sex, weight not less tho 1.5 kg rubbit is selected. (Test carried out an a group of 3 rabbits) * Test powcedwie:= robbit Normal temp (T) = 98 F (36.6c) to (38.9°C) Dissolve best substance or dilute it with pyrogen free saline (worm the soln to 38.5°C before injection) insert a clinical thormometer into nectum of each rabbit precord the temp. two times in 30 min interval. Then moon is calculated -) Initial temp(T) Donet class see test soln is injected into ear vein of each rabbit. LNLT 0.5 ml/kg & NMT 10 ml/kg) record the temp(T) of each rabbit at on 30 min interval for 3 hours. * Results: - If nesponse of all rabbit is LT 0.6°c and if sum response of 3 rabbits is not MT 1.4°C then poreparation pass the test. PRINCIPAL => If not past PHARMAGEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (M), Sol of S rabbils. then same test is repeated on whather if not MT 3 out of 8 rabbits shows individual respon of object more and it sum of response of rubbils is NMT. 3.7°C

(b) Limitus Amaebocyte Lysate LAL Test 3-* The test based on formation of _ get or development of color in presence of bacterial endoboxins * Those are 3 types of LAL Test. orel clot Turbidimetric kinetic Test Test Chromogenic Test 1 Grel Clat Test 3= The lysate soll is mixed with equal volume of test soll in a pyrogen force best tube allowed to stand for about 60 min. tube involted for observation of formation of gel alot if solid get not formed indicate absence of Endotosins. solution pass the test @ Turbidimetric Test: Test is based on measurement of colour change. due to release of chromogenic chemical p-nibroanilide a by-product of clotting reaction during the LAL Test

B Moist Heat sterilization:

- * principle: It is more efficient method for storil
 - =) It destroys microorganisms by irreversible destructural proteins.

 denaturation of enzymes & structural proteins.
- =) moist hoat sterilization involves the we of ste in the range of 121-134°c (Ex: Autoclave).
- =) steam under pressure is wed to generate hight needed for stonilization.
- =) saturated steam act as an effective stonilis agent.

 Noist Heat stonilization
- 1) Temp below 100° (1) Temp at 100° (2) Temp above 100°
- P Temp (T) below we'c := Heat tabile fluids may be should by heating at below temp 10
- =) This may be of following types with specific applical

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by a specience wine. bath at 60°c for 1 hr. which kills most regelative backorial. (Ex: E-coli)

- Desteurization: It is the process generally used for milk, milk is heated & cooled immediately.
- =) pasteurizotion is done by 2 methods.
 - (1) Holder method: Heating is done at 62.8°C

 for 30 minutes.

 (1) Flash method: Heating is done at 71.7°c for

 15 to 30 seconds.
- =) pasteurizat kell non sporing microber like mycobactoria, salmonella & Brucella.
- Inspissation: It is a heating process to solidary

 wears thickering the beginning the blue process is repeated

 plosmal serum by solythese exum or eggs & not storidization,

 plosmal serum by solythese However, if the process is repeated under high prossure (Lor 2 concertion) for 3 consective days some degree of storilization achieved (Gractional * Applications of moist Heat sterilization: - sterilization = used for surgical dressings, shoots, surgical &

déagnostic équipments, glas vares, containers,

enfortion of.

A Procurement And warehousing of procurement = purchase warehousing = storage. * Procurement:-=) It is defined as a process of acquiring supplies through purchases from the manufacturers, their agents like distributors vor) from private or public suppliers => purchasing of modicines stools with the framing of buying policies and ends with receiving; stocking & payment. A strategies of procurement: source from Time Time RIGHT PHARMAN

Right & Quality

Them Quantity PRINCIPAL Gunthapally (V), Abdullapi R.R. Dist. Telanga 1) who should purchase Drugs? purchasing agent or phoomacists. * Role of purchasing agent con officer in Drug

Drocurement:

- => Selection of drugs are brown qualities, parties and storage in the phonomacy or a store room exclusively controlled by the phonomacist.
- => steps involved in purchasing drugs:
 - purchase Roquest form.
 - @ Quotation Invitation (er) Record Corm.
 - purchase order form
- Return of Groods. @ out of stack form.

* Purchase procedure:

Role of pharmacist in purchasing procedure ess

- 1 pur chose request form:
- The pharmacist should prepare A purchase request
- (i) This form will have all details. The original form is send to the administrative office, incharge for the department, after approval, it is forward to the purchase department.
- (ii) A duplicate copy is maintain in phonnacy.
- @ purchose order form:
- in multiple copies.



DATE: 02.03.2023

EXAMINATION BRANCH

NOTICE TIME-TABLE PHARM D I-YEAR I MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
06.03.2023/MON	HUMAN ANATOMY & PHYSIOLOGY
07.03.2023/TUES	PHARMACEUTICS
08.03.2023/WED	MEDICINAL BIOCHEMISTRY
09.03.2023/THUS	PHARMACEUTICAL INORGANIC CHEMISTRY
10.03.2023/FRI	PHARMACEUTICAL ORGANIC CHEMISTRY
11.03.2023/SAT	REMEDIAL MATHEMATICS

* ABBUILLE

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DATE: 16.03.2023

EXAMINATION BRANCH

NOTICE TIME-TABLE PHARM D I-YEAR HIMID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT	
20.06.2023/TUES	HUMAN ANATOMY & PHYSIOLOGY	
21.06.2023/WED.	PHARMACEUTICS	
22.06.2023/THUS	MEDICINAL BIOCHEMISTRY	
23.06.2023/FRI	PHARMACEUTICAL INORGANIC CHEMISTRY	
24.06.2023/SAT	PHARMACEUTICAL ORGANIC CHEMISTRY	
26.06.2023/MON	REMEDIAL MATHEMATICS	

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DATE: 15.09.2023

EXAMINATION BRANCH

NOTICE TIME-TABLE PHARM D I-YEAR III MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
19.9.2023/TUES	HUMAN ANATOMY & PHYSIOLOGY
20.09.2023/WED	PHARMACEUTICS
21.09.2023/THUS	MEDICINAL BIOCHEMISTRY
22.09.2023/FRI	PHARMACEUTICAL INORGANIC CHEMISTRY
23.09.2023/SAT	PHARMACEUTICAL ORGANIC CHEMISTRY
25.09.2023/MON	REMEDIAL MATHEMATICS

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DATE: 26.01.23

EXAMINATION BRANCH

NOTICE TIME-TABLE PHARM D II-YEAR I MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
30.01.2023/MON	PATHOPHYSIOLOGY
31.01.2023/TUES	PHARMACEUTICAL MICROBIOLOGY
01.02.2023/WED	PHARMACOGNOSY & PHYTOPHARMACEUTICALS
02.02.2023/THUS	PHARMACOLOGY-1
03.02.2023/FRI	COMMUNITY PHARMACY
04.02.2023/SAT	PHARMACOTHERAPEUTICS-1

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DATE: 27.04.2023

EXAMINATION BRANCH

NOTICE TIME-TABLE PHARM D II-YEAR II MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
01.05.2023/MON	PATHOPHYSIOLOGY
02.05.2023/TUE	PHARMACEUTICAL MICROBIOLOGY
03.05.2023/WED	PHARMACOGNOSY & PHYTOPHARMACEUTICALS
04.05.2023/THUS	PHARMACOLOGY-1
05.05.2023/FRI	COMMUNITY PHARMACY
06.05.2023/SAT	PHARMACOTHERAPEUTICS-1

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DATE: 11.08.2023

EXAMINATION BRANCH

NOTICE TIME-TABLE PHARM D II-YEAR III MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
15.08.2023/TUES	PATHOPHYSIOLOGY
16.08.2023/WED	PHARMACEUTICAL MICROBIOLOGY
17.08.2023/THUS	PHARMACOGNOSY & PHYTOPHARMACEUTICALS
18.08.2023/FRI	PHARMACOLOGY-1
19.08.2023/SAT	COMMUNITY PHARMACY
21.08.2023/MON	PHARMACOTHERAPEUTICS-1

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DATE: 01.12.2022

EXAMINATION BRANCH

NOTICE TIME-TABLE PHARM D III-YEAR I MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
05.12.2022/MON	PHARMACOLOGY-II
06.12.2022/TUES	PHARMACEUTICAL ANALYSIS
07.12.2022/WED	PHARMACOTHERAPEUTICS-II
08.12.2022/THUS	PHARMACEUTICAL JURISPRUDENCE
09.12.2022/FRI	MEDICINAL CHEMISTRY
10.12.2022/SAT	PHARMACEUTICAL FORMULATIONS

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DATE: 02.03.2023

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NOTICE TIME-TABLE PHARM D III-YEAR IIMID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
06.03.2023/MON	PHARMACOLOGY-II
07.03.2023/TUES	PHARMACEUTICAL ANALYSIS
08.03.2023/WED	PHARMACOTHERAPEUTICS-II
09.03.2023/THUS	PHARMACEUTICAL JURISPRUDENCE
10.03.2023/FRI	MEDICINAL CHEMISTRY
11.03.2023/SAT	PHARMACEUTICAL FORMULATIONS

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DATE: 15.06.2023

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NOTICE TIME-TABLE PHARM D III-YEAR HIMID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
19.06.2023/MON	PHARMACOLOGY-II
20.06.2023/TUES	PHARMACEUTICAL ANALYSIS
21.06.2023/WED	PHARMACOTHERAPEUTICS-II
22.06.2023/THUS	PHARMACEUTICAL JURISPRUDENCE
23.06.2023/FRI	MEDICINAL CHEMISTRY
24.06.2023/SAT	PHARMACEUTICAL FORMULATIONS

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DATE: 22.09.2022

EXAMINATION BRANCH NOTICE TIME-TABLE PHARM D IV-YEAR I MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
26.09.2022/MON	PHARMACOTHERAPEUTICS-III
27.09.2022/TUE	HOSPITAL PHARMACY
28.09.2022/WED	CLINICAL PHARMACY
29.09.2022/THUS	BIOSTATISTICS & RESEARCH METHODOLOGY
30.09.2022/FRI	BIOPHARMACEUTICS & PHARMACO KINETICS
01.10.2022/SAT	CLINICAL TOXICOLOGY

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DATE: 29.01.2023

EXAMINATION BRANCH NOTICE TIME-TABLE PHARM D IV-YEAR II MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
02.01.2023/TUE	PHARMACOTHERAPEUTICS-III
03.01.2023/WED	HOSPITAL PHARMACY
04.01.2023/THU	CLINICAL PHARMACY
S 05.01.2023/FRI	BIOSTATISTICS & RESEARCH METHODOLOGY
06.01.2023/FRI	BIOPHARMACEUTICS & PHARMACO KINETICS
08.01.2023/MON	CLINICAL TOXICOLOGY

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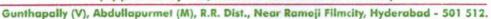
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DATE: 30.03.2023

EXAMINATION BRANCH NOTICE TIME-TABLE PHARM D IV-YEAR III MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
03.04.2023/WED	PHARMACOTHERAPEUTICS-III
04.04.2023/THU S	HOSPITAL PHARMACY
05.04.2023/FRI	CLINICAL PHARMACY
06.04.2023/SAT	BIOSTATISTICS & RESEARCH METHODOLOGY
08.04.2023/MON	BIOPHARMACEUTICS & PHARMACO KINETICS
09.04.2023/TUES	CLINICAL TOXICOLOGY

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DATE: 22.09.2022

EXAMINATION BRANCH NOTICE TIME-TABLE PHARM D V-YEAR I MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT	
26.09.2022/MON	CLINICAL RESEARCH	
27.09.2022/TUE	PHARMACOEPIDEMIOLOGY& PHARMACOECONOMICS	
28.09.2022/WED	CLINICALPHARMACOKINETICS& PHARMACOTHERAPEUTIC MONITORING	DRUG

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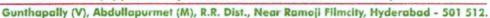
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DATE: 29.01.2023

EXAMINATION BRANCH NOTICE TIME-TABLE PHARM D V-YEAR II MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
02.01.2023/TUE	CLINICAL RESEARCH
03.01.2023/WED	PHARMACOEPIDEMIOLOGY& PHARMACOECONOMICS
04.01.2023/THUS	CLINICALPHARMACOKINETICS& PHARMACOTHERAPEUTIC DRUG MONITORING

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DATE:30.03.2023

EXAMINATION BRANCH

NOTICE TIME-TABLE PHARM D V-YEAR III MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
03.04.2023/WED	CLINICAL RESEARCH
04.04.2023/THUS	PHARMACOEPIDEMIOLOGY& PHARMACOECONOMICS
05.04.2023/FRI	CLINICALPHARMACOKINETICS& PHARMACOTHERAPEUTIC DRUG MONITORING

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DATE: 26/10/2022

Ref:AIPS/Office/Circular/22-23

EXAMINATION BRANCH

CIRCULAR

This is to inform that for B.Pharm I year II Sem II-Mid Examinations is scheduled to be conducted from 01.11.2022 to 04.11.2022. Please refer the enclosed copy of Examination time table given by the JNTUH.

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KUKATPALLY - HYDERABAD - 500085 EXAMINATION BRANCH

I YEAR B.PHARMACY II-SEMESTER-R17 REGULATION II - MID TERM EXAMINATIONS NOVEMBER-2022(IN OFFLINE MODE)

T IME TABLE

TIME→ FN: 9.40 AM TO 11.00 AM (DESCRIPTIVE EXAM: 9.40 AM TO 10.40 AM, OBJECTIVE EXAM: 10.40 AM TO 11.00 AM)
AN: 1.40 PM TO 03.00 PM (DESCRIPTIVE EXAM: 1.40 PM TO 2.40 PM, OBJECTIVE EXAM: 2.40 PM TO 03.00 PM)

Company Control of the Control of th		DATE, S	ESSION AND DAY		
BRANCH	01-11-2022 FN TUESDAY	01-11-2022 AN TUESDAY	02-11-2022 FN WEDNESDAY	02-11-2022 AN WEDNESDAY	04-11-2022FN FRIDAY
в.РНАКМАСУ	HUMAN ANATOMY AND PHYSIOLOGY II	PHARMACEUTICAL ORGANIC CHEMISTRY I	BIOCHEMISTRY	PATHOPHYSIOLOGY	COMPUTER APPLICATIONS IN PHARMACY

DATE: 19-10-2022

Sd/-CONTROLLER OF EXAMINATIONS

NOTE:

(i) ANY OMISSIONS OF CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATES (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS HALL BE CONDUCTED AS USUAL.

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DATE: 26/03/2023

Ref:AIPS/Office/Circular/22-23

EXAMINATION BRANCH

CIRCULAR

This is to inform that for B.Pharm I year I Sem II-Mid Examinations is scheduled to be conducted from 31.03.2023 to 03.04.2023. Please refer the enclosed copy of Examination time table given by the JNTUH.

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KUKATPALLY - HYDERABAD - 500 085 E X A M I N A T I O N B R A N C H

<u>I YEAR B.PHARMACY- I SEMESTER- R22 REGULATION II - MID TERM EXAMINATIONS MARCH/APRIL-2023</u> TIMETABLE

TIME→ FN: 9.40 AM TO 11.00 AM (DESCRIPTIVE EXAM: 9.40 AM TO 10.40 AM, OBJECTIVE EXAM: 10.40 AM TO 11.00 AM)
AN: 1.40 PM TO 03.00 PM (DESCRIPTIVE EXAM: 1.40 PM TO 2.40 PM, OBJECTIVE EXAM: 2.40 PM TO 03.00 PM)

BRANCH	31-03-2023 FN FRIDAY	31-03-2023 AN FRIDAY	01-04-2023 FN SATURDAY	01-04-2023 AN SATURDAY	03-04-2023 FN MONDAY	03-04-2023 AN MONDAY
B.PHARMACY	Remedial Biology			DI COLOR		Communication skills
I YEAR I SEM.	Remedial Mathematicss	Human Anatomy and Physiology I	Pharmaceutical Analysis I	Pharmaceutical Inorganic Chemistry	Pharmaceutics	

DATE:28.03.2023

Sd/CONTROLLER OF EXAMINATIONS

NOTE:

- i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
- ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- iii) THE PATTERN OF THE DESCRIPTIVE AND OBJECTIVE TYPE. QUESTION PAPERS SHALL BE IN REGULAR PATTERN AS GIVEN IN R22 REGULATION



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DATE: 06/04/2023

Ref:AIPS/Office/Circular/22-23

EXAMINATION BRANCH

CIRCULAR

This is to inform that for III year II Sem I-Mid Examinations is scheduled to be conducted from 10.04.2022 to 12.04.2022. Please refer the enclosed copy of Examination time table given by the JNTUH.

EXAMINATION BRANCH

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD KUKATPALLY - HYDERABAD – 500 085 E X A M I N A T I O N B R A N C H III YEAR B.PHARMACY- II SEMESTER– R17 REGULATION I - MID TERM EXAMINATIONS APRIL-2023

TIME > FN: 9.40 AM TO 11.00 AM (DESCRIPTIVE EXAM: 9.40 AM TO 10.40 AM, OBJECTIVE EXAM: 10.40 AM TO 11.00 AM)
AN: 1.40 PM TO 03.00 PM (DESCRIPTIVE EXAM: 1.40 PM TO 2.40 PM, OBJECTIVE EXAM: 2.40 PM TO 03.00 PM)

DATE & DAY					
COURSE YEAR & SEM.	10-04-2023 FN MONDAY	10-04-2023AN MONDAY	11-04-2023 FN TUESDAY	11-04-2023 AN TUESDAY	12-04-2023 FN WEDNESDAY
					Open Elective - III
			Harbal Drug	Biopharmaceutics	Pharmaceutical Quality Assurance
B.PHARMACY	B.PHARMACY Medicinal Chemistry - III	Pharmacology - III	Herbal Drug Technology	and	Pharmaceutical Biotechnology
III YEAR II SEM.			recimology	Pharmacokinetics	Bioinformatics
					Screening Methods in
					Pharmacology

DATE:28.03.2023

Sd/CONTROLLER OF EXAMINATIONS

Note:

- (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
- (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL
- (iii) THE PATTERN OF THE DESCRIPTIVE AND OBJECTIVE TYPE PAPERS SHALL BE IN REGULAR PATTERN AS GIVEN IN R17 REGULATION

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Gunthapally (V), Abdullapurmet (M),

R.R. Dist. Telangana.

DATE: 15/01/2023

Ref:AIPS/Office/Circular/22-23

EXAMINATION BRANCH

CIRCULAR

This is to inform that for B.Pharm III year I Sem II-Mid Examinations is scheduled to be conducted from 19.01.2023 to 21.01.2023. Please refer the enclosed copy of Examination time table given by the JNTUH.

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III YEAR B.PHARMACY- I SEMESTER- R17 REGULATION II - MID TERM EXAMINATIONS JANUARY-2023 REVISED TIMETABLE

TIME→ FN: 9.40 AM TO 11.00 AM (DESCRIPTIVE EXAM: 9.40 AM TO 10.40 AM, OBJECTIVES EXAM: 10.40 AM TO 11.00 AM)
AN: 1.40 PM TO 03.00 PM (DESCRIPTIVE EXAM: 1.40 PM TO 2.40 PM, OBJECTIVE EXAM: 2.40 PM TO 03.00 PM)

BRANCH	19-01-2023 FN THURSDAY	19-01-2023 AN THURSDAY	20-01-2023 FN FRIDAY	20-01-2023 AN FRIDAY	21-01-2023 FN SATURDAY
B.PHARMACY III YEAR I SEM.	Medicinal Chemistry		(Open Elective-I) Generic Product Development		
	. 11	Industrial Pharmacy - I	Industrial Pharmacy - I Pharmacology II Pharmacognosy and Phytochemistry - II	Green Chemistry	
*					Cell and Molecular Biology
,					Cosmetic science

DATE:09.01.2023

Sd/CONTROLLER OF EXAMINATIONS

Note:

- (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
- (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL
- THE PATTERN OF THE DESCRIPTIVE AND OBJECTIVE TYPE PAPERS SHALL BE IN REGULAR PATTERN AS GIVEN IN R17 REGULATION



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DATE: 28/04/2022

Ref: AIPS/Office/Circular/22-23

EXAMINATION BRANCH

CIRCULAR

This is to inform that for B.Pharm III year II Sem I-Mid Examinations is scheduled to be conducted from 02.05.2022 to 07.05.2022. Please refer the enclosed copy of Examination time table given by the JNTUH.

P. NIGOUJE EXAMINATION BRANCH

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DATE: 26/04/2022

Ref: AIPS/Office/Circular/22-23

EXAMINATION BRANCH

CIRCULAR

This is to inform that for B.Pharm IV year II Sem I-Mid Examinations is scheduled to be conducted from 02.05.2022 to 05.05.2022. Please refer the enclosed copy of Examination time table given by the JNTUH.

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EXAMINATION BRANCH

III YEAR B.PHARMACY- II SEMESTER- R17 REGULATION I - MID TERM EXAMINATIONS MAY 2022-(IN OFFLINE MODE)

TIME→ FN: 9.40 AM TO 11.00 AM (DESCRIPTIVE EXAM: 9.40 AM TO 10.40 AM, OBECTIVE EXAM: 10.40 AM TO 11.00 AM) AN: 1.40 PM TO 03.00 PM (DESCRIPTIVE EXAM: 1.40 PM TO 2.40 PM, OBECTIVE EXAM: 2.40 PM TO 03.00 PM)

	DATE & DAY					
COURSE YEAR & SEM.	02-05-2022 FN MONDAY	02-05-2022 AN MONDAY	06-05-2022 FN FRIDAY	06-05-2022 AN FRIDAY	07-05-2022 FN SATURDAY	
B.PHARMACY	Medicinal Chemistry - III	Pharmacology - III	Herbal Drug Technology	Biopharmaceuti cs and Pharmacokineti	Open Elective - III Pharmaceutical Quality Assurance Pharmaceutical Biotechnology	
				CS	Bioinformatics Screening Methods in Pharmacology	

IV YEAR B.PHARMACY II SEMESTER- R17 REGULATION I - MID TERM EXAMINATIONS MAY-2022-(IN OFFLINE MODE)

TIME→ FN: 11.40 AM TO 1.00 PM (DESCRIPTIVE EXAM: 11.40 AM TO 12.40 PM, OBECTIVE EXAM:12.40 PM TO 1.00 PM) AN: 3.40 PM TO 5.00 PM (DESCRIPTIVE-EXAM: 3.40 PM TO 04. 40 PM, OBECTIVE EXAM: 4.40 PM TO 05.00 PM) TIMETABLES

COURSE YEAR & SEM.	DATE & DAY					
	02-05-2022 FN MONDAY	02-05-2022 AN MONDAY	05-05-2022 FN THURSDAY	05-05-2022 AN THURSDAY		
B.PHARMACY IV YEAR II SEM.	Biostatistics and Research Methodology	Social and Preventive Pharmacy	Pharmaceutical Jurisprudence	Elective -IV Computer Aided Drug Design Nano Technology Experimental Pharmacology Advanced Instrumentation Technique		

DATE:20.04.2022

CONTROLLER OF EXAMINATIONS

Note:

- (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATED AND THE LOCAL PHARMAC (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL PHARMAC (iii) THE PATTERN OF THE DESCRIPTIVE AND OR DECEMBER TO THE DESCRIPTIVE TYPE BY DEDCEMBER OF THE DESCRIPTIVE AND OR DECEMBER OF THE DESCRIPTIVE TYPE BY DEDCEMBER OF THE DESCRIPTIVE TYPE BY DEDCEMB
- (iii) THE PATTERN OF THE DESCRIPTIVE AND OBJECTIVE TYPE PAPERS SHALL BE IN REGULAR PATTERN AS GIVEN IN R17 REGULATION

PHARMACEUTICAL SCIENCES

Gunthapally (V), Abdullapurmet (M),
R.R. Dist. Telangana.





DATE: 26/03/2022

Ref: AIPS/Office/Circular/22-23

EXAMINATION BRANCH

CIRCULAR

This is to inform that for B. Pharm IV year II Sem I-Mid Examinations is scheduled to be conducted from 01.04.2023 to 03.04.2023. Please refer the enclosed copy of Examination time table given by the JNTUH.

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IV YEAR B.PHARMACY II SEMESTER- R17 REGULATION I - MID TERM EXAMINATIONS APRIL-2023

TIME→ FN: 11.40 AM TO 1.00 PM (DESCRIPTIVE EXAM: 11.40 AM TO 12.40 PM, OBECTIVE EXAM: 12.40 PM TO 1.00 PM)
AN: 3.40 PM TO 5.00 PM (DESCRIPTIVE EXAM: 3.40 PM TO 04. 40 PM, OBECTIVE EXAM: 4.40 PM TO 05.00 PM)

TIMETABLES

	DATE & DAY					
COURSE YEAR & SEM.	01-04-2023 FN SATURDAY	01-04-2023 AN SATURDAY	03-04-2023 FN MONDAY	03-04-2023 FN MONDAY		
B.PHARMACY IV YEAR II SEM.	Biostatistics and Research Methodology	Social and Preventive Pharmacy	Pharmaceutical Jurisprudence	Elective -IV Computer Aided Drug Design Nano Technology Experimental Pharmacology Advanced Instrumentation Techniques		

DATE:28.03.2023

Sd/CONTROLLER OF EXAMINATIONS

Note:

(i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.

(ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL

(iii) THE PATTERN OF THE DESCRIPTIVE AND OBJECTIVE TYPE PAPERS SHALL BE IN REGULAR PATTERN AS GIVEN IN RI7 REGULATION

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Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.



DATE: 19/01/2023

Ref:AIPS/Office/Circular/22-23

EXAMINATION BRANCH

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This is to inform that for B.Pharm I year I Sem I-Mid Examinations is scheduled to be conducted from 23.01.2023 to 30.01.2023. Please refer the enclosed copy of Examination time table given by the JNTUH.

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<u>I YEAR B.PHARMACY- I SEMESTER- R22 REGULATION I - MID TERM EXAMINATIONS JANUARY-2023</u> TIMETABLE

TIME→ FN: 10.00 AM TO 12.00 Noon

B.PHARMACY I YEAR I SEM. Remedial Mathematicss Remedial Mathematics Pharmaceutical Analysis I Pharmaceutical Inorganic Chemistry Remedial Mathematics Pharmaceutics Pharmaceut	BRANCH	23-01-2023 MONDAY	24-01-2023 TUESDAY	25-01-2023 WEDNESDAY	27-01-2023 FRIDAY	28-01-2023 SATURDAY	30-01-2023 MONDAY
Remedial Physiology I I Inorganic Chemistry		Remedial Biology	II	Diameter in I Application	Diamondial		Communication skills
	I YEAR I SEM.			I I	1	Pharmaceutics	

DATE: 20.01.2023

Sd/CONTROLLER OF EXAMINATIONS

NOTE:

- i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
- ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- iii) THE PATTERN OF THE DESCRIPTIVE AND OBJECTIVE TYPE QUESTION PAPERS SHALL BE IN REGULAR PATTERN AS GIVEN IN R22 REGULATION

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DATE: 19/01/2023

Ref:AIPS/Office/Circular/22-23

EXAMINATION BRANCH

CIRCULAR

This is to inform that for B. Pharm II year I Sem I -Mid Examinations is scheduled to be conducted from 23.01.2023 to 24.01.2023. Please refer the enclosed copy of Examination time table given by the JNTUH.

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II YEAR B.PHARMACY - I SEMESTER- R17 REGULATION I - MID TERM EXAMINATIONS JANUARY-2023 TIME TABLES

TIME→ FN: 9.40 AM TO 11.00 AM (DESCRIPTIVE EXAM: 9.40 AM TO 10.40 AM, OBJECTIVE EXAM: 10.40 AM TO 11.00 AM)
AN: 1.40 PM TO 03.00 PM (DESCRIPTIVE EXAM: 1.40 PM TO 2.40 PM, OBJECTIVE EXAM: 2.40 PM TO 03.00 PM)

BRANCH	23-01-2023 FN	23-01-2023 AN	24-01-2023 FN	24-01-2023 AN
	MONDAY	MONDAY	TUESDAY	TUESDAY
B.PHARMACY II YEAR I SEM.	Pharmaceutical Organic Chemistry – II	Physical Pharmaceutics-I	Pharmaceutical Microbiology	Pharmaceutical Engineering

DATE: 17.01.2023

Sd/CONTROLLER OF EXAMINATIONS

Note: (I) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.

(II) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL

(III) READMITTED STUDENTS HAVE TO APPEAR FOR THE SUBSTITUTE SUBJECT(S) [WHICH IS ARE NOT SHOWN IN THE TIME-TABLE] IN PLACE OF THE SUBJECT(S) ALREADY PASSED. FOR DETAILS OF SUBSTITUTE SUBJECTS REFER THE COMMUNICATIONS RECEIVED FROM THE DIRECTOR OF ACADEMIC & PLANNING.

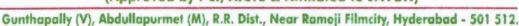
HI) THE PATTERN OF THE DESCRIPTIVE AND OBJECTIVE TYPE QUESTION PAPERS SHALL BE IN REGULAR PATTERN AS GIVEN IN R17 REGULATION



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PHARMACEUTICAL



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Ref: AIPS/Office/Circular/22-23

DATE: 22.10.2022

NOTICE M.PHARM - I YEAR I SEM (2022-23)

I-Mid Examinations TIME TABLE

		SUBJECT	
DATE / Day	TIME	Branch: Pharmaceutics	Branch: Pharmaceutic al Analysis
26.10.2022	11.00 AM to 12.30 PM	Modern Pharmaceutics-I	Modern Pharmaceutical Analytical Techniques
WED	2.00 PM to 3.30 PM	Applied Biopharmaceutics and Pharmacokinetics	Pharmaceutical and Food Analysis
27.10.2022 THUS	11.00 AM to 12.30 PM	Advanced Physical Pharmaceutics	Advanced Pharmaceutical Analysis
THUS	2.00 PM to 3.30 PM	Pharmaceutical Validation	Pharmaceutical Validation
28.10.2022 FRI	11.00 AM to 12.30 PM	Research Methodology and IPR	Research Methodology and IPR
	-	-	-

Note: 1) Exams will be conducted by offline mode only as per JNTUH guidelines.

COULLAPUS

P. Nageye EXAMINATION BRANCH

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Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.





Ref: AIPS/Office/Circular/22-23

DATE: 02.06.2023

NOTICE M.PHARM - I YEAR I SEM (2022-23)

II-Mid Examinations TIME TABLE

		SUBJECT		
DATE / Day	TIME	Branch: Pharmaceutics	Branch: Pharmaceutical Analysis	
05.04.2022	9.30 AM to 11.00 AM	Modern Pharmaceutics-II	Modern Pharmaceutical Analytical Techniques	
05.06.2023 MON	11.30 AM to 1.00 PM	Applied Biopharmaceutics and Pharmacokinetics	Pharmaceutical and Food Analysis	
	2.00 PM to 3.30 PM	Advanced Physical Pharmaceutics	Advanced Pharmaceutical Analysis	
06.06.2023	9.30 AM to 11.00 AM	Pharmaceutical Validation	Pharmaceutical Validation	
TUES	11.30 AM to 1.00 PM	Research Methodology and IPR	Research Methodology and IPR	

Note: 1) Exams will be conducted by offline mode only as per JNTUH guidelines.

P. Nagerju EXAMINATION BRANCH

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Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.





Ref: AIPS/Office/Circular/22-23

DATE: 14.12.2022

NOTICE M.PHARM - II YEAR I SEM (2022-23) Pharmaceutics & Pharmaceutical Analysis

I-Mid Examinations TIME TABLE

DATE / Day TIME		SUBJECT	
17-12-2022	10.30 AM to 12.00 PM	Scale-up and Technology Transfer	
(Saturday)	12.10 PM to 1.40 PM	Cosmetic Science	

Note: 1) Exams will be conducted by offline mode only as per JNTUH guidelines.

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D. Nagour EXAMINATION BRANCH

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Ref: AIPS/Office/Circular/22-23





NOTICE
M.PHARM - II YEAR I SEM (2022-23)
Pharmaceutics & Pharmaceutical Analysis

II-Mid Examinations TIME TABLE

DATE / Day	TIME	SUBJECT
17-02-2023	10.30 AM to 12.00 PM	Scale-up and Technology Transfer
(THUS)	12.10 PM to 1.40 PM	Cosmetic Science

Note: 1) Exams will be conducted by offline mode only as per JNTUH guidelines.

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P. Nagueria ... EXAMINATION BRANCH

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DATE: 13-02-2023

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Ref: AIPS/Office/Circular/22-23

DATE: 24.03.2023

NOTICE M.PHARM - I YEAR II SEM (2022-23)

I-Mid Examinations TIME TABLE

		SUBJECT		
DATE / Day	TIME	Branch: Pharmaceutics	Branch: Pharmaceutical Analysis	
27.03.2023	9.30 AM to 11.00 AM	Modern Pharmaceutics-II	Advanced instrumental analysis-1	
MON	11.30 AM to 1.00 PM	Advanced drug delivery systems	Pharmaceutical quality control & quality assurance	
	2.00 PM to 3.30 PM	Herbal cosmetics	Herbal cosmetics	
28.03.2023 TUES	9.30 AM to 11.00 AM	Nutraceuticals	Nutraceuticals	

Note: 1) Exams will be conducted by offline mode only as per JNTUH guidelines.

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Ref: AIPS/Office/Circular/22-23

DATE: 05.03.2023

NOTICE M.PHARM - I YEAR II SEM (2022-23)

II-Mid Examinations TIME TABLE

		SUBJECT		
DATE / Day	TIME	Branch: Pharmaceutics	Branch: Pharmaceutical Analysis	
09.08.2023	9.30 AM to 11.00 AM	Modern Pharmaceutics-II	Advanced instrumental analysis-1	
WED	11.30 AM to 1.00 PM	Advanced drug delivery systems	Pharmaceutical quality control & quality assurance	
	2.00 PM to 3.30 PM	Herbal cosmetics	Herbal cosmetics	
10.08.2023 THUS	9.30 AM to 11.00 AM	Nutraceuticals	Nutraceuticals	

Note: 1) Exams will be conducted by offline mode only as per JNTUH guidelines.

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Ranga Reddy Dist.



TIME-TABLE

PHARM D I-YEAR REGULAR AND SUPPLEMENTARY EXAMINATIONS OCTOBER -2022

Time: 09.45 AM to 12.45 PM

DATE & DAY	SUBJECTS
13-10-2022	HUMAN ANATOMY AND PHYSIOLOGY
THURSDAY	
15-10-2022	PHARMACEUTICS
SATURDAY	
17-10-2022	MEDICINAL BIOCHEMISTRY
MONDAY	
19-10-2022	PHARMACEUTICAL ORGANIC CHEMISTRY
WEDNESDAY	
21-10-2022	PHARMACEUTICAL INORGANIC CHEMISTRY
FRIDAY	
24-10-2022	REMEDIAL MATHEMATICS / BIOLOGY
MONDAY	

NOTE: ANY CLASHES / OMISSIONS IN THIS TIME-TABLE MAY BE BROUGHT TO THE NOTICE OF THE UNDERSIGNED.

Dt: 13-09-2022

Sd/CONTROLLER OF EXAMINATIONS

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PHARMACEUTICAL SCIENCES

Gunthapally (V), Abdullapurmet (M),

R.R. Dist. Telangana.



TIME-TABLE

PHARM D II-YEAR REGULAR AND SUPPLEMENTARY EXAMINATIONS AUGUST -2022

Time: 09.45 AM to 12.45 PM

DATE & DAY	SUBJECTS
22-08-2022	PATHOPHYSIOLOGY
MONDAY	
24-08-2022	PHARMACEUTICAL MICROBIOLOGY
WEDNESDAY	
26-08-2022	PHARMACOGNOSY & PHYTOPHARMACEUTICALS
FRIDAY	
29-08-2022	PHARMACOLOGY – I
MONDAY	
01-09-2022	COMMUNITY PHARMACY
THURSDAY	
03-09-2022	PHARMACOTHERAPEUTICS-I
SATURDAY	

NOTE: 1) ANY CLASHES / OMISSIONS IN THIS TIME-TABLE MAY BE BROUGHT TO THE NOTICE OF THE UNDERSIGNED.

2) IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES THE EXAMS WILL BE CONDUCTED AS USUAL.

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PHARMACEUTICAL SCIENCES

Gunthapally (V), Abdullapurrecontroller of Examinations

Dt: 26-07-2022



REVISED TIME-TABLE

PHARM D III-YEAR REGULAR AND SUPPLYMENTARY EXAMINATIONS JUNE -2022

Time: 09:45 AM to 12:45 PM

DATE & DAY	SUBJECTS
20-06-2022	PHARMACOLOGY – II
MONDAY	
22-06-2022	PHARMACEUTICAL ANALYSIS
WEDNESDAY	
24-06-2022	PHARMACOTHERAPEUTICS - II
FRIDAY	
27-06-2022	PHARMACEUTICAL JURISPRUDENCE
MONDAY	
29-06-2022	MEDICINAL CHEMISTRY
WEDNESDAY	
01-07-2022	PHARMACEUTICAL FORMULATIONS
FRIDAY	

NOTE: 1) ANY CLASHES / OMISSIONS IN THIS TIME-TABLE MAY BE BROUGHT TO THE NOTICE OF THE UNDERSIGNED.

2) IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES THE EXAMS WILL BE CONDUCTED AS USUAL.

DT: 19-05-2022

Sd/-CONTROLLER OF EXAMINATIONS

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REVISED TIME-TABLE

PHARM D IV-YEAR REGULAR AND SUPPLEMENTARY EXAMINATIONS JUNE -2022

Time: 09:45 AM to 12:45 PM

DATE & DAY	SUBJECTS
21-06-2022	PHARMACOTHERAPEUTICS-III
TUESDAY	
23-06-2022	HOSPITAL PHARMACY
THURSDAY	
25-06-2022	CLINICAL PHARMACY
SATURDAY	
28-06-2022	BIOSTATISTICS & RESEARCH METHODOLOGY
TUESDAY	
30-06-2022	BIOPHARMACEUTICS & PHARMACOKINETICS
THURSDAY	
02-07-2022	CLINICAL TOXICOLOGY
SATURDAY	

NOTE: 1) ANY CLASHES / OMISSIONS IN THIS TIME-TABLE MAY BE BROUGHT TO THE NOTICE OF THE UNDERSIGNED.

2) IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES THE EXAMS WILL BE CONDUCTED AS USUAL.

DT: 19-05-2022

Sd/CONTROLLER OF EXAMINATIONS

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PRINCIPAL
AVANTH! INSTITUTE OF
PHARMACEUTICAL SCIENCES
Ounthapallyo(N), Abdullapurmet (M),

PHARMING (M) Abdullapurmer (M)

Sunthapally (M) Metallapurmer (M)

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REVISED TIME-TABLE

PHARM D V-YEAR REGULAR AND SUPPLEMENTARY EXAMINATIONS JUNE-2022

Time: 02:15 PM to 05:15 PM

DATE & DAY	SUBJECTS
20-06-2022	
MONDAY	CLINICAL RESEARCH
22-06-2022	
WEDNESDAY	PHARMACOEPIDEMIOLOGY & PHARMACOECONOMICS
24-06-2022	
FRIDAY	CLINICAL PHARMACOKINETICS &
	PHARMACOTHERAPEUTIC DRUG MONITORING

NOTE: 1) ANY CLASHES / OMISSIONS IN THIS TIME-TABLE MAY BE BROUGHT TO THE NOTICE OF THE UNDERSIGNED.

> 2) IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES THE EXAMS WILL BE CONDUCTED AS USUAL.

DT: 19-05-2022

Sd/-**CONTROLLER OF EXAMINATIONS**

Gunthapally (V), Tolongana R.R. Dist. Telangana

KUKATPALLY - HYDERABAD - 500085 EXAMINATION BRANCH

I YEAR B.PHARMACY I-SEMESTER-R22, R17, 16, R15, R13 REGULATION SUPPLEMENTARY EXAMINATIONS SEPTEMBER/OCTOBER-2023

T IME TABLE

TIME → AN:2.00 PM TO 5.00 PM

	Day & date	R22	R17	R16	R15	R13
B.PHARMACY		Remedial Mathematics	Remedial Mathematics	Remedial Mathematics	Remedial Mathematics	Remedial Mathematics
	26-09-2023 Tuesday	Remedial Biology	Remedial Biology	Remedial Biology	Remedial Biology	Remedial Biology
	29-09-2023 Friday	Human Anatomy and Physiology I	Human Anatomy and Physiology I	Dispensing and General Pharmacy	Dispensing and General Pharmacy	Dispensing and General Pharmacy
	03-10-2023 Tuesday	Pharmaceutical Analysis I	Pharmaceutical Analysis I	Anatomy, Physiology and Health Education – I	Pharm Inorganic Chemistry	Pharm Inorganic Chemistry
	05-10-2023 Thursday	Pharmaceutical Inorganic Chemistry	Pharmaceutics I	Pharmaceutical Organic Chemistry – I	Pharmaceutical Organic Chemistry – I	Pharmaceutical Organic Chemistry – I
	07-10-2023 Saturday	Pharmaceutics	Pharmaceutical Inorganic Chemistry-I	Professional Communication In English	Anatomy, Physiology and Health Education	Anatomy, Physiology and Health Education
	10-10-2023 Tuesday	Communication Skills	Communication Skills		English	English

DATE: 11-09-2023

NOTE:

(i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
(ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.

*ADA

Sd/CONTROLLER OF EXAMINATIONS

AVANTH! INSTITUTE OF
PHARMACEUTICAL SCIENCES
Gunthapally (V), Abdullapurmet (M),
R.R. Dist. Telangana.

KUKATPALLY - HYDERABAD - 500085 EXAMINATION BRANCH

I YEAR B.PHARMACY II-SEMESTER- R 22, R17, 16 REGULATION REGULAR/ SUPPLEMENTARY EXAMINATIONS SEPTEMBER/OCTOBER-2023

T IME TABLE

TIME \rightarrow AN:2.00 PM TO 5.00 PM

	Day & date	R22	R17	R16
B.PHARMACY	25-09-2023 MONDAY	HUMAN ANATOMY AND PHYSIOLOGY II	HUMAN ANATOMY AND PHYSIOLOGY II	PHARMACEUTICAL INORGANIC CHEMISTRY
	27-09-2023 WEDNESDAY	PHARMACEUTICAL ORGANIC CHEMISTRY-I	PHARMACEUTICAL ORGANIC CHEMISTRY I	PHARMACEUTICAL ORGANIC CHEMISTRY - II
	30-09-2023 SATURDAY	BIOCHEMISTRY	BIOCHEMISTRY	PHYSICAL PHARMACY - I
	04-10-2023 WEDNESDAY	PATHOPHYSIOLOGY	PATHOPHYSIOLOGY	STATISTICAL METHODS AND COMPUTER APPLICATIONS
	06-10-2023 FRIDAY	COMPUTER APPLICATIONS IN PHARMACY	COMPUTER APPLICATIONS IN PHARMACY	ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION - II

DATE: 11-09-2023

NOTE

10) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF TAMINATIONS IMMEDIATELY.
110) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES. THE EXAMINATION SHOULD BE CONDUCTED AS USUAL.

Sd/CONTROLLER OF EXAMINATIONS

AVANTH! INSTITUTE C PHARMACEUTICAL SCIENCES Gunthapally (V), Abdullapurmet (I R.R. Dist. Telangana

KUKATPALLY, HYDERABAD-500 085 EXAMINATION BRANCH

<u>II YEAR B.PHARM - I SEMESTER -R17, R16, R15, R13 REGULATIONS- REGULAR/SUPPLEMENTARY EXAMINATIONS APRIL/MAY-2023</u>

T I M E:FN 10:00 AM TO 1:00 PM

DATE& DAY	R17	R16	R15	R13
17-04-2023 MONDAY	Pharmaceutical Organic Chemistry – II	Pharmaceutical Organic Chemistry – III	Pharmaceutical Organic Chemistry – II	Pharmaceutical Organic Chemistry-II
19-04-2023 WEDNESDAY	Physical Pharmaceutics-I	Pharmacognosy I	Statistical Methods & Computer Applications	Statistical Methods & Computer Applications
21-04-2023 FRIDAY	Pharmaceutical Microbiology	HospitaL and Community Pharmacy	Anatomy, Physiology &Pathophysiology	Anatomy Physiology &Patho physiology
25-04-2023 TUESDAY	Pharmaceutical Engineering	Pharmaceutical Unit Operations – I	Pharmaceutical Unit Operations –	Pharmaceutical Unit Operations - I
27-04-2023 THURSDAY		Pharmaceutical Analysis- I	Physical Pharmacy – I	Physical Pharmacy – I

DATE:28-03-2023

Sd/CONTROLLER OF EXAMINATIONS

NOTE:(1) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY
(11) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL

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PRINCIPAL

AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES
Gunthapally (V), Abdullapurmet (M),
R.R. Dist. Telangana.

KUKATPALLY,- HYDERABAD - 500 085 EXAMINATION BRANCH TIMETABLE

II YEAR B.PHARM-II SEMESTER - R17, R16, R15, R13, R09 REGULATION- REGULAR/SUPPLEMENTARY EXAMINATIONS AUGUST/SEPTEMBER-2022

TIME→FN: 9:45 AM TO 12:45 PM

COURSE	R17	R16	R15	R13	R09
25-08-2022 THURSDAY	Pharmaceutical Organic Chemistry-III	PHARMACEUTICAL UNIT OPERATIONS – II	PHARMACEUTICAL UNIT OPERATIONS -II	PHARMACEUTICAL UNIT OPERATIONS-II	PHARMACEUTICAL UNIT OPERATIONS-II
29-08-2022 MONDAY	Medicinal Chemistry-I	BIOCHEMISTRY	PHARMACEUTICAL BIOCHEMISTRY	PHARMACEUTICAL BIOCHEMISTRY	ENVIRONMENTAL SCIENCE
01-09-2022 THURSDAY	Physical Pharmaceutics-	PHARMACEUTICAL JURISPRUDENCE	PHARMACOGNOSY- I	PHARMACOGNOSY-I	PHARMACOGNOSY-I
03-09-2022 SATURDAY	Pharmacology-I	PHYSICAL PHARMACY-II	PHYSICAL PHARMACY- II	PHYSICAL PHARMACY-II	PHARMACEUTICAL ANALYSIS - I
05-09-2022 MONDAY	Pharmacognosy and Phytochemistry-I	OPEN ELECTIVES INTELLECTUAL PROPERTY RIGHTS HERBAL DRUGS	ENVIRONMENTAL STUDIES	ENVIRONMENTAL STUDIES	PHYSICAL PHARMACY - II
		TECHNOLOGY GREEN CHEMISTRY			DISPENSING AND HOSPITAL PHARMACY

DATE: 16-08-2022

Sd/-

CONTROLLER OF EXAMINATIONS

NOTE: (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY

(ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL

PRINCIPAL

AVANTH! INSTITUTE OF

PHARMACEUTICAL SCIENCES

Qunthapally (V), Abdullapurmet (M),

R.R. Dist. Telangana.

KUKATPALLY, HYDERABAD-500 085

EXAMINATION BRANCH

III YEAR B.PHARM - I SEMESTER-R17, R16, R15, R13, R09 REGULATIONS- REGULAR/SUPPLEMENTARY EXAMINATIONS FEBRUARY-2022

T I M E: FN: 9:45 AM TO 12:45 PM

DATE & DAY	R17	R16	R15	R13	R09	
10-02-2022 THURSDAY	Medicinal Chemistry II	Pharmaceutical Microbiology	Pharmaceutical Microbiology	Pharmaceutical Microbiology	Pharmaceutical Microbiology	
12-02-2022 SATURDAY	Industrial Pharmacy - I	Pharmaceutical Technology -I	Pharmacognosy – II	Pharmacognosy–II	Pharmaceutical Biochemistry	
15-02-2022 TUESDAY	Pharmacology II	Pharmacology – I	Pharmacology - I Pharmacology-I		Pharmacology - I	
17-02-2022			Pharmaceutical	Pharmaceutical		
THURSDAY	Pharmacognosy and Phytochemistry - II	Pharmacognosy -II	Technology – I	Technology-I	Pharmacognosy - II	
19-02-2022 SATURDAY	(Open Elective-I) Generic Product Development	(Open Elective-I) Drug Regulatory Affairs				
	Green Chemistry	Active Pharmaceutical	Pharmaceutical	Pharmaceutical Analysis -I	Pharmaceutical	
	Cell and Molecular Biology	Ingredient Process Development	Analysis-I		Technology - I	
-	Cosmetic science	Entrepreneurship and Small Business Enterprises				

DATE: 21-01-2022

NOTE:

Sd/-CONTROLLER OF EXAMINATIONS

Gunthapatly (V), Abdullapurmet (N

R.R. Dist. Telangana.

(i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY

KUKATPALLY, HYDERABAD - 500 085 EXAMINATION BRANCH TIME TABLE

III YEAR B.PHARM-II SEMESTER -R17, R16, R15, R13, R09 REGULATION-REGULAR/ SUPPLEMENTARY EXAMINATIONS AUGUST-2022

TIME→ FN: 9:45 AM TO 12:45 PM

COURSE	R17	R16	R15	R13	R09	
10-08-2022 WEDNESDAY	Medicinal Chemistry - III	Medicinal Chemistry - I	Medicinal Chemistry–I	Medicinal Chemistry–I	Medicinal Chemistry - I	
12-08-2022 FRIDAY	Herbal Drug Technology	Pharmaceutical Technology – II	Pharmaceutical Technology-II	Pharmaceutical Technology-II	Pharmaceutical Technology – II	
16-08-2022 TUESDAY	Pharmacology - III	Pharmacology – II	Pharmacology II	Pharmacology II	Pharmacology – II	
19-08-2022 FRIDAY	Biopharmaceutics and Pharmacokinetics	Chemistry of Natural Products	Chemistry of natural products	Chemistry of Natural Products	Chemistry of Natural Drugs	
	Open Elective - II	Open Elective - III				
	Pharmaceutical Quality Assurance	Generic Product Development	. Bhanna a saitina l			
22-08-2022 MONDAY	Pharmaceutical Biotechnology	Drug Design And Discovery	Pharmaceutical Jurisprudence	Pharmaceutical Jurisprudence	Pharmaceutical Jurisprudence	
	Bioinformatics	Consering Methodo In				
	Screening Methods In Pharmacology	Screening Methods In Pharmacology				

DATE: 26-07-2022

NOTE:

Sd/CONTROLLER OF EXAMINATIONS

PRINCIPAL AVANTH! INSTIT

(i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE OXYROLLER OF EXAMINATIONS IMMEDIATELY.

(ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL. Gunthapally (V), Abdullapurmet (M) READMITTED STUDENTS HAVE TO APPEAR FOR THE SUBSTITUTE SUBJECT(S) [WHICH IS ARE NOT SHOWN IN THE TIME-TABLE] IN PLACE OF R.R. Dist. Telangana.

THE SUBJECT(S) ALREADY PASSED, FOR DETAILS OF SUBSTITUTE SUBJECTS REFER THE COMMUNICATIONS RECEIVED FROM THE DIRECTOR OF ACADEMIC & PLANNING.

KUKATPALLY, HYDERABAD-500 085 EXAMINATION BRANCH

IV YEAR B.PHARM - I SEMESTER -R17, R16, R15, R13, R09 REGULATIONS- REGULAR/SUPPLEMENTARY EXAMINATIONS FEBRUARY-2022 T I M E T A B L E

T I M E: FN: 9:45 AM TO12:45 PM

DATE & DAY	R17	R16	R15	R13	R09
09-02-2022 WEDNESDAY	Instrumental Methods of Analysis	Biopharmaceutics and Pharmacokinetics	Biopharmaceutics &Pharmacokinetics	Biopharmaceutics &Pharmacokinetics	Biopharmaceutics and Pharmacokinetics
11-02-2022 FRIDAY	Industrial Pharmacy-II	Pharmaceutical Analysis – II	Pharmacognosy III	Pharmacognosy III	Pharmaceutical Analysis - II
14-02-2022 MONDAY	Pharmacy Practice	Pharmacology - III	Pharmacology-III	Pharmacology-III	Pharmacology III
16-02-2022 WEDNESDAY	Novel Drug Delivery Systems	Medicinal Chemistry – II	Medicinal Chemistry – II	Medicinal Chemistry – II	Medicinal Chemistry I
18-02-2022	Pharmaceutical Marketing			,	
FRIDAY	Pharmaceutical Regulatory Science Pharmacovigilance	Pharmacy Administration	Pharmacy Administration	Pharmacy Administration	Pharmacy Administration
	Quality Control and Standardization of Herbals		OHARMACEUT		

DATE: 21-01-2022

NOTE:

CONTROLLER OF EXAMINATIONS

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S PHARMACEUTICAL SCIENCES
Gunthapally (V), Abdullapurmet (
R.R. Dist. Telangana.

- (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORM 10-TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
- (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL
- (iii) READMITTED STUDENTS HAVE TO APPEAR FOR THE SUBSTITUTE SUBJECTS OWHICH IS/ARE NOT SHOWN IN THE TIME-TABLL OF PLACE OF THE

KUKATPALLY - HYDERABAD - 500 085 EXAMINATION BRANCH TIME TABLE

IV YEAR B.PHARM-II SEMESTER -R17, R16, R15, R13, R09 REGULATION-ADVANCED SUPPLEMENTARY EXAMINATIONS SEPTEMBER-2022

TIME→FN: 9.45 AM TO 12.45 PM

course	R17	R16	R15	R13	R09
21-09-2022 WEDNESDAY	Biostatistics and Research Methodology	Novel Drug Delivery Systems	Novel Drug Delivery Systems and Regulatory Affairs	Novel Drug Delivery Systems and Regulatory Affairs	Pharmacognosy III
23-09-2022 FRIDAY	Social and Preventive Pharmacy	Biotechnology Biotechnology S		Novel Drug Delivery Systems and Regulatory	
26-09-2022 MONDAY	Pharmaceutical Jurisprudence	Pharmaceutical Biotechnology	Pharmaceutical Analysis II	Pharmaceutical Analysis II	Clinical Pharmacy and Therapeutics
28-09-2022 WEDNESDAY	Elective -IV Computer Aided Drug Design Nano Technology Experimental Pharmacology Advanced Instrumentation Techniques	Pharmacognosy – III	Human Values and Professional Ethics	Human Values and Professional Ethics	Medicinal Chemistry III
30-09-2022 FRIDAY		Nano Technology Pharmacoepidemiology, Pharmacoeconomics and pharmacovigilance Medicinal Plant Biotechnology	Clinical Pharmacy Practice	Clinical Pharmacy Practice	Pharmaceutical Biotechnology

DATE:08-09-2022

NOTE:

Sd/CONTROLLER OF EXAMINATIONS

PRINCIPAL

AVANTHI INSTITUTE OF

PHARMACEUTICAL SCIENCES

Gunthapally (V), Abdullapurmet (M)

R.R. Diet, Telegrana

(i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.

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(iii) READMITTED STUDENTS HAVE TO APPEAR FOR THE SUBSTITUTE SUBJECT(S) [WHICH IS/ARE NOT SHOWN IN THE TIME-TABLE] IN PLACE OF THE SUBJECT(S) ALREADY PASSED. FOR DETAILS OF SUBSTITUTE SUBJECTS REFER THE COMMUNICATIONS RECEIVED FROM THE DIRECTOR OF ACADEMIC & PLANNING.

KUKATPALLY-HYDERABAD-500085 EXAMINATIONBRANCH

M. PHARM – II YEAR I SEMESTER -R19 REGULATION -REGULAR/SUPPLEMENTARY EXAMINATIONS MARCH-2023 TIMETABLE

TIME: 2:00 PM TO 5:00 PM

COURSE	13-03-2023 MONDAY	15-03-2023 WEDNESDAY			
	MONDAY ELECTIVE -V	OPEN ELECTIVE			
	Biostatistics	Cosmeticology			
PHARMACOLOGY-01	Hospital and Community Pharmacy	Pharmaceutical Administration			
	Medicinal Plant Biotechnology	Drug Regulatory affairs			
		Project Management			
		Audits and regulatory compliance			
	ELECTIVE -V	OPEN ELECTIVE			
PHARMACEUTICAL	Biostatistics	Entrepreneurship Management			
CHEMISTRY-02	Pharmaceutical Production and packaging Technology	Hazards and Safety management			
HEIVIISTRY-UZ		Audits and regulatory compliance			
		Pharmaceutical validation			
	Scale up and technology transfer	Nutraceuticals			
	ELECTIVE -V	OPEN ELECTIVE			
PHARMACEUTICS-03	Biostatistics	Screening methods in pharmacology			
	Production area, Design and Packaging Development	Entrepreneurship Management			
	Scale up and Technology Transfer	Cosmetic science			
		Hazards and Safety management			
		Audits and regulatory compliance			
	Biostatistics	Entrepreneur Management			
	Stability Of Drugs And Dosage Forms	Hazards And Safety Management			
DUADMACOCNIOSV 07	Production Area Design And Packaging Development	Cosmetic Science			
PHARMACOGNOSY-07		Audits And Regulatory Complaints			
		Pharmaceutical Administration			

DATE: 27/02/2023

CONTROLLER OF EXAMINATIONS IV (V), Abdullapurmet R.R. Dist. Telangana.

KUKATPALLY-HYDERABAD-500085 EXAMINATIONBRANCH

M. PHARM – II YEAR I SEMESTER -R19 REGULATION -REGULAR/SUPPLEMENTARY EXAMINATIONS MARCH-2023 T I M E T A B L E

TIME: 2:00 PM TO 5:00 PM

COURSE	13-03-2023	15-03-2023			
COORSE	MONDAY	WEDNESDAY			
	ELECTIVE -V	OPEN ELECTIVE			
	Biostatistics	Screening methods in pharmacology			
		Entrepreneurship Management			
	Scale up and Technology Transfer	Cosmetic science			
INDUSTRIAL PHARMACY-08	Production area, Design and Packaging	Hazards and Safety management			
	Development	Audits and regulatory compliance			
	ELECTIVE -V	OPEN ELECTIVE			
	Biostatistics	Screening methods in pharmacology			
PHARMACEUTICAL TECHNOLOGY -09	Scale up and Technology Transfer	Entrepreneurship Management			
	Production area, Design and Packaging	Cosmetic science			
	Development	Hazards and Safety management			
		Audits and regulatory compliance			
	ELECTIVE -V	OPEN ELECTIVE			
	Biostatistics	Screening Methods in Pharmacology			
	Scale up and Technology Transfer	Entrepreneurship Management			
BULL BALLA OF LITTICAL ANIAL VOIC 40	Production Area Design and Packaging	Cosmetic Science			
PHARMACEUTICAL ANALYSIS -12	Development	Hazards and Safety Management			
		Audits and Regulatory Compliance			

DATE: 27/02/2023

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PRINCIPAL

AVANTH! INSTITUTE OF

PHARMACEUTICAL SCIENCES

PHARMACEUTICAL SCIENCES

Gunthapally (V), Abdullapurmet (M),

R.R. Dist. Telangana



(Approved by PCI, AICTE & Affiliated to JNTUH)





Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.

DATE: 07/02/2023

B. PHARMACY

PROJECT SHEDULE

For the academic year 2022-2023 all the IV B. PHARM II SEMESTER are here by informed that the students should undergo the course project as per the JNTUH R17 REGULATIONS.

S.NO:	REVIEW & ASSESSMENT	TOPIC	TENTATIVE SCHEDULE
1	PROJECT INITIALIZATION	FINALIZATION OF TITLE & PLAN OF WORK	15/02/23 to 21/02/23
2	REVIEW-1	REVIEW OF LITERATURE	10/03/23 to 15/03/23
3	REVIEW-2	METHODOLOGY & EXPECTED RESULTS	03/05/23 to 11/05/23
4	REVIEW-3	RESULTS & DISCUSSION, CONCLUSION	18/06/23- 25/06/23



Committed to Excellence in Technic







Guidelines to students:

- 1. UG project work shall be carried out during IV Year II Semester.
- 2. Project will be evaluated for 100 marks. Student has to submit project work report at the end of semester.
- 3. Project shall be conducted in 3 Reviews
- 4. Project shall be completed before the commencement of SEE Theory examinations.
- 5. For Project the departmental committee consisting of Head of the Department, project supervisor shall evaluate the project work for 25 marks
- & External examiner shall evaluate the project work for 75 marks.
- 6. For conducting viva-voce of project, University selects an external examiner from the list of experts in the relevant branch submitted by the Principal of the College.
- 7. The student is deemed to have failed, if he/she
- (i) Does not submit a report or does not make a presentation of the same before the evaluation committee as per schedule, or
- (ii) Secures less than 40% marks in the sum total of the CIE and SEE taken together.
- 8. A student who has failed may reappear once for the above evaluation, when it is scheduled again; if he fails in such 'one reappearance' evaluation also, he has to reappear for the same in the next subsequent semester, as and when it is scheduled.

PRINCIPAL



KVK COLLEGE OF PHARMACY

(Affiliated to JNTUH, Approved by AICTE & PCI)

(B.Pharmacy, M. Pharmacy & Pharm.D)

Surmaiguda (V), Laskharguda Grampanchayath, Abdullapurmet (M), R.R. Dist.-501 512. E-mail: kvkcp1@gmail.com

Sponsored by Kennedy Educational Society

Regd. Office: Kennedy Educational Society, Phase - II, Sri Sai Colony, Opp. Radio Relay Tower, Hayathnagar, R.R. Dist. (T.S.) - 501 505.

Ref: KES/KVK/B.Pharm/ External Lab Exams / Jan 2023

Date: -24-01-2023,

College Code: Z9

To

The Principal, Avanthi Institute of Pharmaceutical Sciences, Gunthapally, Abdullapurment, R.R.(Dist.).

Respected Sir,

Sub: Relieving of Mrs.Sruthi, for External Practical Examiner – Reg.

This is to certify that Mrs.Sruthi Asst. Professor of your College has been appointed as External Practical Examiner at our College for B.Pharm III Year I Sem for PHARMACOLOGY-II LAB on 24-01-2023. She has been relieved from the College on 24-01-2023 at 4:00 AM

Thanking You.

PRINCIPAL OF INSTITUTE OF INSTI

PRINCIPAL

KVK College of Phan Surresidual R.R. Dist



KVK COLLEGE OF PHARMACY

(Affiliated to JNTUH, Approved by AICTE & PCI) Surmaiguda (V), Laskharguda (GP), Abdullapurmet (M), R.R. Dist. - 501512.

E-mail: kvkcp1@gmail.com

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Regd. Office: Kennedy Educational Society, Phase - II, Sri Sai Colony, Opp. Radio Relay Tower, Hayathnagar, R.R. Dist. (T.S.) - 501 505.

Ref: KES/KVK/B.Pharm Lab External Exams /April

Date: 10-04-2023,

Ph: 6302454123

College Code: Z9

To
The Principal,
Avanthi Institute of Pharmaceutical Sciences,
Gunthapally,
Abdullapurment, R.R. (Dist.).

Sir,

Sub: Relieving Letter of Mr.ANIL KUMAR-External Examiner-Reg

This is to certify that Mr.ANIL KUMAR, Assistant Professor of your Institution has appointed as External Practical Examiner at our Institution for B.Pharm I year I sem for the subject PHARMACEUTICAL INORGANIC CHEMISTRY LAB on 10-04-2023. He has been relieved from his duties on 10-04-2023 at 04:00 pm.

Thanking you,

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PRINCIPAL OF INSTITUTE OF INSTI

PRHYCIPAL KVK College of Pharmac Surmaiguda, R.R. Dist., T.S Surmaiguda, R.R. Dist., T.S



KVK COLLEGE OF PHARMA

(Affiliated to JNTUH, Approved by AICTE & PCI) Surmaiguda (V), Laskharguda (GP), Abdullapurmet (M), R.R. Dist. - 501512. E-mail: kvkcp1@gmail.com

Sponsored by Kennedy Educational Society

Regd. Office: Kennedy Educational Society, Phase - II, Sri Sai Colony, Opp. Radio Relay Tower, Hayathnagar, R.R. Dist. (T.S.) - 501 505.

Ref: KES/KVK/ B.Pharm Lab External Exams / April

Date: 10-04-2023,

Ph: 6302454123

College Code: Z9

To The Principal, Avanthi Institute of Pharmaceutical Sciences. Gunthapally, Abdullapurment, R.R. (Dist.).

Sir,

Sub: Relieving Letter of Mrs.LAVANYA – External Examiner-Reg

This is to certify that Mrs.LAVANYA, Assistant Professor of your Institution has appointed as External Practical Examiner at our Institution for B.Pharm I year I sem for the subject PHARMACEUTICS LAB on 10-04-2023. She has been relieved from her duties on 10-04-2023 at 04:00 pm.

Thanking you,

, Abdullapurmet (M), R.R. Dist. Telangana

KVK College of Pha

Surmaiguda, R.R. Dis



KVK COLLEGE OF PHARMACY

(Affiliated to JNTUH, Approved by AICTE & PCI)

Surmaiguda (V), Laskharguda (GP), Abdullapurmet (M), R.R. Dist. - 501512.

E-mail: kvkcp1@gmail.com

Sponsored by Kennedy Educational Society

Regd. Office: Kennedy Educational Society, Phase - II, Sri Sai Colony, Opp. Radio Relay Tower, Hayathnagar, R.R. Dist. (T.S.) - 501 505.

Ref: KES/KVK/Pharm.D Lab External Exams /April

Date:10-04-2023,

Ph: 6302454123

College Code: Z9

To
The Principal,
Avanthi Institute of Pharmaceutical Sciences,
Gunthapally,
Abdullapurment, R.R.

Respected Sir,

Sub: Relieving Letter of Mr.V.ANUDEEP- External Examiner-Reg

This is to certify that Mr.V.ANUDEEP, Assistant Professor of your Institution has appointed as External Practical Examiner at our Institution for Pharm.D IV year for the subject PHARMACOTHERAPEUTICS-III LAB on 10-04-2023. He has been relieved from his duties on 10-04-2023 at 04:00 pm.

Thanking you,

KVK College of Pharma Surmaiguda, R.R. Dist., T.

PRINCIPAL UTE OF INSTITUTE OF I



KVK COLLEGE OF PHARMACY

(Affiliated to JNTUH, Approved by AICTE & PCI)
Surmaiguda (V), Laskharguda (GP), Abdullapurmet (M), R.R. Dist. - 501512.
E-mail: kvkcp1@gmail.com

Sponsored by Kennedy Educational Society

Regd. Office: Kennedy Educational Society, Phase - II, Sri Sai Colony, Opp. Radio Relay Tower, Hayathnagar, R.R. Dist. (T.S.) - 501 505.

Ref: KES/KVK/ B.Pharm Lab External Exams /April

Date: 11-04-2023,

Ph: 6302454123

College Code:Z9

To
The Principal,
Avanthi Institute of Pharmaceutical Sciences,
Gunthapally,
Abdullapurment, R.R.

Respected Sir,

Sub: Relieving Letter of Dr. NIHAR RAJAN DAS- External Examiner-Reg

This is to certify that **Dr. NIHAR RAJAN DAS**, Assistant Professor of your Institution has appointed as External Practical Examiner at our Institution for B.Pharm II year I sem for the subject **PHARMACEUTICAL ORGANIC CHEMISTRY- LAB** on **11-04-2023**. He has been relieved from his duties on **11-04-2023** at **04:00 pm**.

Thanking you,

Principal

KVK College of Pharmacy

TH! INSTITUTE OF THE IN

PHARMAC (V), Abdullapuna. unthapally (V), Telangana. R.R. Dist. Telangana.

PHARMACEO THE SCHOOL SMITH SOLL APURANTE SCHOOL APURANTE SCHOO

15



KVK COLLEGE OF PHARMACY

(Affiliated to JNTUH, Approved by AICTE & PCI)
Surmaiguda (V), Laskharguda (GP), Abdullapurmet (M), R.R. Dist. - 501512.

E-mail: kvkcp1@gmail.com

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Regd. Office: Kennedy Educational Society, Phase - II, Sri Sai Colony, Opp. Radio Relay Tower, Hayathnagar, R.R. Dist. (T.S.) - 501 505.

Ref: KES/KVK/ B.Pharm Lab External Exams /April

Date: 11-04-2023,

Ph: 6302454123

College Code: Z9

To
The Principal,
Avanthi Institute of Pharmaceutical Sciences,
Gunthapally,
Abdullapurment, R.R.

Respected Sir,

Sub: Relieving Letter of Dr. M. RAMA KRISHNA- External Examiner-Reg

This is to certify that **Dr. M. RAMA KRISHNA**, Assistant Professor of your Institution has appointed as External Practical Examiner at our Institution for B.Pharm II year I sem for the subject **PHARMACEUTICAL MICROBIOLOGY- LAB** on **11-04-2023**. He has been relieved from his duties on **11-04-2023** at **04:00 pm**.

Thanking you,

PRINCIPAL

Principal
KVK College of Pharmac
Surmaiguda, R.R. Dist., 7.5

ARDULLAPURALE ARDULLAPURALE

PRINCIPAL
AVANTHI INSTITUTE OF
PHARMACEUTICAL SCIENCES
Outthanally (VA. Abdullaburmet (M.)



NTHI INSTITUTE OF PHARMACEUTICAL SCIENCES (Approved by PCI, AICTE & Affiliated to JNTUH)

Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.





	~~~				DAT D				
Dej	partment:				ARM D				
NT 0.1	Course Out					P	2.22		
Name of the			DEEP	Academic	c Year:		2-23		
Branch & Se			RM D	Exam:			D - I		
Course/Sub:	·		НО	Year/Sen			I	500	
		CO1	C01	CO1	C01	CO1	C01	C02	C02
Sl.No	Roll Number	0.1		tion No.	0.4	0.5	06	0.7	- 00
Maximum Ma		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
1	21GN1T0001	5	5	5 4	5 4	5 4	5	5	5
2	21GN1T0001 21GN1T0002	5	5	4	4	-	4	5	
3	21GN1T0002	5	4	3	5		5		5
4	21GN1T0004	4	4	1	4	5		5	5
5	21GN1T0005		5	5	3	5	4	5	
6	21GN1T0006			5	4	5	5	3	5
7	21GN1T0007	5	5	3		5	5		4
8	21GN1T0008	5	4	5	4	5		5	
9	21GN1T0009	5	4	5	3	5			4
10	21GN1T0010	5	4	5	5	5			4
11	21GN1T0011	5	4	5	4	5	4		
12	21GN1T0012	4		5	5	5		4	4
13	21GN1T0013	4			5	3	5	5	4
14	21GN1T0015		4	5	5		4	5	5
15	21GN1T0016			4	5	5	4	5	5
16	21GN1T0017	5	4		5	5		4	5
17	21GN1T0018	4	5	4		5	4	5	
18	21GN1T0019	4	5		5	4		5	5
19	21GN1T0020	5	4	5		5	4		5
20	21GN1T0021	4	5	5			4	4	5
21	21GN1T0022	5	4	5		4	5		5
22	21GN1T0023	5	5	4		4	-	4	5
23	21GN1T0024	5	5		4	4		4	5
24	21GN1T0025	4	5	4			4	5	5
25	21GN1T0026	4	4	5		4	5		5
26	21GN1T0027	5	4	5	5		4	5	
27	21GN1T0028	5		4	4		5	5	4
28	21GN1T0029	5	4		5		5	4	4
29	21GN1T0030	4			5	5	4	5	4
30	21GN1T0031	5		5	5		3	4	1 5
31	21GN1T0032		5		4	5	5	4	5
No. of studen		26	23	23	23	22	22	23	24
	······································	5		-	5	<del> </del>			
Max Marks C	Question wise	3	5	5	3	5	5	5	5
Target 50%		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
No. of Studen	nts above 50%	26	23	23	23	22	22	23	24
% of Students		100.0	100	100	100.0	100.0	100	100	100.0
Attainment L	evel	3	3	3	3	3	3	3	3
			440,000						
	nment table								
70-80%	1								
80-90%	2		TAKINA	· ·					
90-100%	3	(0)	Pilming	EG: 1					
		WITH INSTITUTION	ABDINIA	OUR SONO	on divining	Avantl Gu	ni's Institu	PRINCIP Ite of Pharr I (V), Hay:	naceutica ath Naga
			O. C.				Ка	nga Redd	y Dist.

Avanthi o Institute of Pharmaceutical Sciences Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist.



# AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES (Approved by PCI, AICTE & Affiliated to JNTUH) Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.





De	partment:				PHARM D	)			
		urse Oute	ome Atta	inment - In	ternal Assess	ments		1	
Name of the		1	VANUDEEP Academic Year: 2022-23				1		
Branch & S		PHA	RM D	Exam:	31	MID	) - II	1	
Course/Sub	):	PA	THO	Year/Semis	ster:	I	I	1	
	When he was a second state of the second state of the second seco	CO2	C02	C02	C02	CO3	C03	C03	C03
CLAY	D. H.N.		Qu	estion No.					***************************************
Sl.No	Roll Number	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
Maximum M	larks	5	5	5	5	5	5	5	5
1	21GN1T0001	5	4	4		5	5	4	
2	21GN1T0002	4	5	5	5	5		4	
3	21GN1T0003	5	4	5	5	5		4	
4	21GN1T0004		4	5	4		4	5	4
5	21GN1T0005	4		5	4	5	3	5	
6	21GN1T0006	5	5	4	4		4	5	4
7	21GN1T0007	5	4	4	5	4	5		4
8	21GN1T0008	5	4	4		5	4		5
9	21GN1T0009	4	5	4		5	4		4
10	21GN1T0010	5	4		5	4	4		4
11	21GN1T0011	5	4	5	4	5		5	
12	21GN1T0012	4	5		5		4	5	5
13	21GN1T0013	5	5	5	4		5		3
14	21GN1T0015		4	5	5	4		5	5
15	21GN1T0016	5	4	5	5	4	4		
16	21GN1T0017	5	4	4	4		4		5
17	21GN1T0018		5	4	4	5		5	5
18	21GN1T0019	4		5	5		4	5	4
19	21GN1T0020	4	5	4		5	4		5
20	21GN1T0021		5	4		4	4	5	5
21	21GN1T0022	5	4	- 5	4		5	4	5
22	21GN1T0023	5	4	4	<b> </b>	4		4	5
23	21GN1T0024	5		5	4		5	4	5
24	21GN1T0025	4		4	4	<b>T</b>	5	5	4
25	21GN1T0026	4			5	4	5	4	5
26	21GN1T0027		5	3	5		4	5	5
27	21GN1T0028	5	5	4			5	4	4
28	21GN1T0029	5		5		4	5	4	4
29	21GN1T0030		5	5		4	4	5	4
30	21GN1T0031	5	4	5	4	<del>                                     </del>	3		5
31	21GN1T0031	4	5	4	5	<del> </del>	5	4	<del>                                     </del>
	nts attempted	26	23	23	23	22	22	23	24
	Question wise	5	5	5	5	5	5	5	5
Target 50%	Question wise	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	nts above 50%	2.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3
% of Student		100.0	100	100	100.0	100.0	100		
70 Of Student	IS-20%	100.0	100	100	100.0	100.0	100	100	100.0

Attainm	ent table
70-80%	1
80-90%	2
90-100%	3

Attainment Level



PRINCIPAL Avanthi's Institute of Pharmaceutical Sciences
Gunthapally (V), Hayath Nagar (M),
Ranga Reddy Dist.



# AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by PCI, AICTE & Affiliated to JNTUH)





	Course Outcome	e Attain	ment -	Interna	l Assessm	ents			
Name of the	Faculty:	VANU	DEEP	Acader	nic Year:	2022-23			
Branch & Se	ection:	PHAI	RM D	Exam:		MID - III			
Course/Sub:		PN	ЛB	Year/S	emister:		II		
		CO3	C03	C04	C04	CO4	C04	C04	C04
Sl.No	Roll Number		T	tion No.	·				
		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
Maximum Ma	-	5	5	5	5	5	5	5	5
1	21GN1T0001		5	4	4	5	4	5	
2	21GN1T0002		5	5	5	5		4	5
3	21GN1T0003		4	5	5	5		4	5
4	21GN1T0004		4	5	4		5	5	4
5	21GN1T0005	4	5		4	5	4	5	
6	21GN1T0006		5	4	5		4	5	4
7	21GN1T0007	5	4	4		4	5		4
8	21GN1T0008		4	4	5	5	4		5
9	21GN1T0009	5	5	4		5	4		4
10	21GN1T0010		4	5	5	4	5		4
11	21GN1T0011	5	4	5	4			5	5
12	21GN1T0012		5	4	5	4		5	5
13	21GN1T0013		5	5	4	5	5		3
14	21GN1T0015			5	5	4	5	5	5
15	21GN1T0016			5	5	4	4	5	4
16	21GN1T0017		5	4	4		4	5	5
17	21GN1T0018	4		5	4	5	4	5	
18	21GN1T0019	5		5	5		4	5	4
19	21GN1T0020	4	5	4		5	4		5
20	21GN1T0021		5	4		4	4	5	5
21	21GN1T0022	5	4	5	4		5		5
22	21GN1T0023	5	4	4		5		4	5
23	21GN1T0024	5		5	4		5	4	5
24	21GN1T0025	4	<u> </u>	5	4		5	5	4
25	21GN1T0026	4			5	4	5	4	5
26	21GN1T0027	<u> </u>	5	4	5	·	4	5	5
27	21GN1T0028	5	5	4		4	5		4
28	21GN1T0029			5	5	4	5	4	4
29	21GN1T0029	-	5	5		4	4	5	4
30	21GN1T0030		4	5	4	5	4		5
31	21GN1T0031		5	4	5		5	4	4
		27	23	24		22			24
No. of student Max Marks Q		5	5	5	23 5	5	22 5	23 5	5
	ruestion wise								_
Target 50%	to all area 500/	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
No. of Studen		27	23	24	23	22	22	23	24
% of Students		100.0	100	100	100.0	100.0	100	100	100.0
Attainment Le	evei	3	3	3	3	3	3	3	3

Attainme	ent table
70-80%	1
80-90%	2
90-100%	3



Avanthi's Institute of Pharmaceutical Sciences
Gunthapally (V), Hayath Nagar (M),
Ranga Reddy Dist.



# AVANTH INSTITUTE OF PHARMACEUTICAL SCIENCES (Approved by PCI, AICTE & Affiliated to JNTUH) Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.





Department:	PHARM D							
	Course Outcome Attainment External Exam	<u>nination</u>						
Name of the Faculty:	V ANUDEEP	Academic Year:	2022-23					
Branch & Section:	PHARM D	Exam:	EXTERNAL					
Course:	РАТНО	Year/Semister:	II					

ourse.	r		
	S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)
	1	21GN1T0001	47
	2	21GN1T0002	46
	3	21GN1T0003	46
	4	21GN1T0004	46
	5	21GN1T0005	43
	6	21GN1T0006	39
	7	21GN1T0007	45
	8	21GN1T0008	53
	9	21GN1T0009	52
	10	21GN1T0010	53
	11	21GN1T0011	53
	12	21GN1T0012	35
	13	21GN1T0013	53
	14	21GN1T0015	53
	15	21GN1T0016	33
	16	21GN1T0017	61
	17	21GN1T0018	48
	18	21GN1T0019	52
	19	21GN1T0020	34
	20	21GN1T0021	56
	21	21GN1T0022	35
	22	21GN1T0023	42
	23	21GN1T0024	53
	24	21GN1/T0025	35
	25	21GN1T0026	47
	26	21GN1T0027	37
	27	21GN1T0028	44
	28	21GN1T0029	46
	29	21GN1T0030	36
	30	21GN1T0031	43
	31	21GN1T0032	47
o. of st	udents who atte	empted the subject	31
	Max.	Marks	70
o. of st	udents secured	> 26 marks	31
ercenta	ge of students s	secured > 26 marks	100.0
verall I	External Attain	ment level	3

Attainn	ent table	
70-80%	1	
80-90%	1 2 3 3 NSTITUTE O	
90-100%	3/1	1
	ARMACE + SECUENCES + 13 WHITE	

PRINCIPAL

Avanthi's Institute of Pharmaceutical Sciences Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist.



## AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES





(Approved by PCI, AICTE & Affiliated to INTUH)
Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.

Department:		PHARM D							
	Overall Cour	se Outcome Attain	ment_						
Name of the Faculty:	V ANUDEEP	Academic Year:	2022-23						
Branch & Section:	PHARM D	Exam:							
Course:	PATHO	Semister:	II						

Course Outcomes	1st	2nd	3rd	Internal	University	Overall Attainment
Course outcome - 1	3	-	-	3	3	3
Course outcome - 2	3	3	-	3	3	3
Course outcome - 3	-	3	3	3	3	3
Course outcome - 4	-	-	3	3	3	3
Average				3	3	3

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT

SCHOOL SC

- PRINCIPAL

Avanthi's Institute of Pharmaceutical Sciences

Gunthapally (V), Hayath Nagar (M),

Ranga Reddy Dist.



# AVANTH INSTITUTE OF PHARMACEUTICAL SCIENCES (Approved by PCI, AICTE & Affiliated to JNTUH) Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.







#### COURSE OUTCOMES

CO1	Students will define the basic pathogenesis of human disease													
CO2	Studen	Students will define and explore the most common etiologies and predisposing factors associated with human disease								ase				
CO3	Stude	nts unc	lerstan	ds the b	asis for	some la	borator	y tests a	and oth	er diagn	ostic pro	cedures		
CO4	Stude	nts wil	l make	correlat	ions bet	ween p	athophy	siology	and cli	nical ski	lls they a	re learnin	ng in their a	llied health
							CO-PO	Mapping	y .	***************************************				
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PS03
CO1	2	2	1	2	1	2	1	3	3	3	3	2	2	2
CO2	3	3	2	1	3	2	2	2	1	2	1	3	3	3
CO3	3	1	3	1	2	2	2	1	3	1	3	2	1	2
CO4	2	2	2	2	2	3	3	2	2	2	3	3	2	3
CO avg(M)	2.5	2.5 2 2 1.5 2 2.25 2 2.25 2 2.5 2.5 2 2.5												
Attainment														
Level*	2.5	2	2	1.5	2	2.25	2	2	2.25	2	3	2.5	2	2.5



PRINCIPAL Avanthi's Institute of Pharmaceutical Sciences Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist.



# AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES (Approved by PCI, AICTE & Affiliated to JNTUH) Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.





Dep	artment:				RM D				
	Course Ou	tcome Atta	ainment -	Internal A	Assessment				
Name of the		-	A KHAN	Academic	Year:		2-23		
Branch & Se	ction:		RM D	Exam:			D - I		
Course/Sub:		_	OL	Year/Sem			Ι		
		CO1	C01	CO1	C01	CO1	C01	C02	C02
Sl.No	Roll Number			tion No.					
Mani N	-1	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
Maximum Ma	21GN1T0001	5	5	5	5	5	5	5	5
2	21GN1T0001 21GN1T0002	5	5	4	4	4	5 4	5	
3	21GN1T0002 21GN1T0003	5	4	3	5		5	3	5
4	21GN1T0003 21GN1T0004	4	4		4	5	3	5	5
5	21GN1T0004 21GN1T0005	7	5	5	3	5	4	5	
6	21GN1T0005 21GN1T0006			5	4	5	5	3	5
7	21GN1T0007	5	5	3		5	5		4
8	21GN1T0008	5	4	5	4	5		5	
9	21GN1T0009	5	4	5	3	5			4
10	21GN1T0010	5	4	5	5	5			4
11	21GN1T0011	5	4	5	4	5	4		
12	21GN1T0012	4		5	5	5		4	4
13	21GN1T0013	4			5	3	5	5	4
14	21GN1T0015		4	5	5		4	5	5
15	21GN1T0016			4	5	5	4	5	5
16	21GN1T0017	5	4		5	5		4	5
17	21GN1T0018	4	-5	4		5	4	5	
18	21GN1T0019	4	5		5	4		5	5
19	21GN1T0020	5	4	5		5	4		5
20	21GN1T0021	4	5	5			4	4	5
21	21GN1T0022	5	4	5		4	5		5
22	21GN1T0023	5	5	4		4		4	5
23	21GN1T0024	5	5		4	4		4	5
24	21GN1T0025	4	5	4			4	5	5
25	21GN1T0026	4	4	5		4	5		5
26	21GN1T0027	5	4	5	5		4	5	
27	21GN1T0028	5		4	4		5	5	4
28	21GN1T0029	5	4		5		5	4	4
29	21GN1T0030	4			5	5	4	5	4
30	21GN1T0031	5		5	5		3	4	5
31	21GN1T0032		5		4	5	5	4	5
No. of students	s attempted	26	23	23	23	22	22	23	24
Max Marks Q	uestion wise	5	5	5	5	5	5	5	5
Target 50%		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
No. of Student		26	23	23	23	22	22	23	24
% of Students		100.0	100	100	100.0	100.0	100	100	100.0
Attainment Le	vel	3	3	3	3	3	3	3	3
	ment table				-				
70-80%	1		Hannah Marana		***************************************				
80-90%	2				·				
90-100%	3	100	MACEUTIC						

APPUL APPUL

NCIPAL Avanthi's Institute of Pharmaceutical Sciences
Gunthapally (//), Hayath Nagar (M),
Panga Reddy Dist.



## AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by PCI, AICTE & Affiliated to JNTUH)

Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoli Filmcity, Hyderabad - 501 512.





De	partment:				PHARM D	)			
		urse Oute	ome Atta	inment - In	ternal Assess				
Name of th	e Faculty:	AYESH	A KHAN	Academic	Year:	202:	2-23	1	
Branch &	Section:	PHA	RM D	Exam:		MIL	) - II	1	
Course/Sul	):	P	COL	Year/Semi	ster:	I	I	1	
		CO2	C02	C02	C02	CO3	C03	C03	C03
Sl.No	Roll Number		Qu	estion No.			***************************************		***************************************
SLIVO	Kon Number	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
Maximum N	<b>Aarks</b>	5	5	5	5	5	5	5	5
1	21GN1T0001	5	4	4		5	5	4	
2	21GN1T0002	4	5	5	5	5		4	
3	21GN1T0003	5	4	5	5	5		4	
4	21GN1T0004		4	5	4		4	5	4
5	21GN1T0005	4		5	4	5	3	5	
6	21GN1T0006	5	5	4	4		4	5	4
7	21GN1T0007	5	4	4	5	4	5		4
8	21GN1T0008	5	4	4		5	4		5
9	21GN1T0009	4	5	4		5	4		4
10	21GN1T0010	5	4		5	4	4		4
11	21GN1T0011	5	4	5	4	5		5	
12	21GN1T0012	4	5		5		4	5	5
13	21GN1T0013	5	5	5	4		5		3
14	21GN1T0015		4	5	15	4		5	5
15	21GN1T0016	5	4	5	5	4	4		
16	21GN1T0017	5	4	4	4		4		5
17	21GN1T0018		5	4	4	5		5	5
18	21GN1T0019	4		5	5		4	5	4
19	21GN1T0020	4	5	4		5	4		5
20	21GN1T0021		5	4		4	4	5	5
21	21GN1T0022	5	4	5	4		5	4	5
22	21GN1T0023	5	4	4		4		4	5
23	21GN1T0024	5		5	4		5	4	5
24	21GN1T0025	4		4	4		5	5	4
25	21GN1T0026	4			5	4	5	4	5
26	21GN1T0027		5	3	5		4	5	5
27	21GN1T0028	5	5	4		<b>T</b>	5	4	4
28	21GN1T0029	5		5		4	5	4	4
29	21GN1T0030		5	5		4	4	5	4
30	21GN1T0031	5	4	5	4		3		5
31	21GN1T0032	4	5	4	5		5	4	
	ents attempted	26	23	23	23	22	22	23	24
	Question wise	5	5	5	5	5	5	5	5
Target 50%		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	ents above 50%	26	23	23	23	22	22	23	2.3
% of Studen		100.0	100	100	100.0	100.0	100	100	100.0
o or oraden	10-2070	100.0	100	100	100.0	100.0	100	100	100.0

Attainm	ent table
70-80%	1
80-90%	2
90-100%	3

Attainment Level



Avanthi s Institute of Pharmaceutical Sciences
Gunthapally (V), Hayath Nagar (M),
Ranga Reddy Dist.



# INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by PCI, AICTE & Affiliated to JNTUH)



Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.

	Course Outcome	Attain	ment.	Interna	I A season	ente		1	
Name of the	CONTRACTOR OF THE PARTY OF THE	The second secon		Secure de la constante de la c	nic Year:	The state of the s	22-23		
Branch & Se		PHA		Exam:	inc i cai.	_	D - III		
Course/Sub:	VIIVII.	PC			Year/Semister:		II		
Course/Sub.		CO3	C03	C04	C04	CO4	C04	C04	C04
	T			tion No.	001			1 004	004
Sl.No	Roll Number	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
Maximum Ma	rks	5	5	5	5	5	5	5	5
1	21GN1T0001		5	4	4	5	4	5	
2	21GN1T0002		5	5	5	5		4	5
3	21GN1T0003		4	5	5	5		4	5
4	21GN1T0004		4	5	4		5	5	4
5	21GN1T0005	4	5		4	5	4	5	
6	21GN1T0006		5	4	5		4	5	4
7	21GN1T0007	5	4	4		4	5		4
8	21GN1T0008		4	4	5	5	4		5
9	21GN1T0009	5	5	4		5	4		4
10	21GN1T0010		4	5	5	4	5		4
11	21GN1T0011	5	4	5	4			5	5
12	21GN1T0012		5	4	5	4		5	5
13	21GN1T0013		5	5	4	5	5		3
14	21GN1T0015			5	5	4	5	5	5
15	21GN1T0016			5	5	4	4	5	4
16	21GN1T0017		5	4	4		4	5	5
17	21GN1T0018	4		5	4	5	4	5	
18	21GN1T0019	5		5	5		4	5	4
19	21GN1T0020	4	5	4		5	4		5
20	21GN1T0021		5	4		4	4	5	5
21	21GN1T0022	5	4	5	4		5		5
22	21GN1T0023	5	4	4		5		4	5
23	21GN1T0024	5		5	4		5	4	5
24	21GN1T0025	4		5	4		5	5	4
25	21GN1T0026	4			5	4	5	4	5
26	21GN1T0027		5	4	5		4	5	5
27	21GN1T0028	5	5	4		4	5		4
28	21GN1T0029			5	5	4	5	4	4
29	21GN1T0030		5	5		4	4	5	4
30	21GN1T0031		4	5	4	5	4		5
31	21GN1T0032		5	4	5		5	4	4
No. of students	s attempted	27	23	24	23	22	22	23	24
Max Marks Q		5	5	5	5	5	5	5	5
Target 50%		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
No. of Student	ts above 50%	27	23	24	23	22	22	23	24
% of Students		100.0	100	100	100.0	100.0	100	100	100.0
Attainment Le	vel	3	3	3	3	3	3	3	3

Attainm	ent table
70-80%	1
80-90%	2
90-100%	3



PRINCIPAL

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Department: PHARM D **Course Outcome Attainment External Examination** Name of the Faculty: AYESHA KHAN Academic Year: 2022-23 Branch & Section: PHARM D Exam: **EXTERNAL** Course: P COL Year/Semister: II

Course:		P COL						
	S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks) 47 46					
	1	21GN1T0001						
	2	21GN1T0002						
	3	21GN1T0003	46					
	4	21GN1T0004	46					
	5	21GN1T0005	43					
	6	21GN1T0006	39					
	7	21GN1T0007	45					
	8	21GN1T0008	53					
	9	21GN1T0009	52					
	10	21GN1T0010	53					
	11	21GN1T0011	53					
	12	21GN1T0012	35					
	13	21GN1T0013	53					
	14	21GN1T0015	53					
	15	21GN1T0016	33					
	16	21GN1T0017	61					
	17	21GN1T0018	48					
	18	21GN1T0019	52					
ĺ	19	21GN1T0020	34					
	20	21GN1T0021	56					
ĺ	21	21GN1T0022	35					
The state of the s	22	21GN1T0023	42					
ĺ	23	21GN1T0024	53					
	24	21GN1T0025	35 47 37					
	25	21GN1T0026						
	26	21GN1T0027						
	27	21GN1T0028	44					
	28	21GN1T0029	46					
	29	21GN1T0030	. 36					
	30	21GN1T0031	43					
	31	21GN1T0032	47					
No. of st	udents who atte	empted the subject	31					
	Max.	70						
No. of st	udents secured	> 26 marks	31					
Percentag	ge of students s	ecured > 26 marks	100.0					
Orranall E	External Attaini	3						

Attainm	ent table	
70-80%	1	OHARMA!
80-90%	2 //3	10
90-100%	3	7
	11:	<del>/</del>

* ABDULLAPUR

e of Pharmaceutical Sciences Avanthi's Ins Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist.





Department:		PHARM D									
Overall Course Outcome Attainment											
Name of the Faculty:	AYESHA KHAN	Academic Year:	2022-23								
Branch & Section:	PHARM D	Exam:									
Course:	P COL	Semister:	П								

Course Outcomes	1st	2nd	3rd	Internal	University	Overall Attainment		
Course outcome - 1	3	-	-	3	3	3		
Course outcome - 2	3	3	-	3	3	3		
Course outcome - 3	-	3	3	3	3	3		
Course outcome - 4	-	-	3	3	3	3		
Average				3	3	3		

OVERALL ATTAINMENT OF THE SUBJECT = 0.25*INT + 0.75*EXT

PHARMACEITTE PHARM

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## AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

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#### COURSE OUTCOMES

CO1	The student would have learnt about the different drugs used with an emphasis on its classification													
CO2	They would have studied, dose, route of administration, precautions, and contraindications													
CO3	They would have understood the pharmacological aspects of drugs used to treat ailment of different organ systems													
CO4	They would appreciate the importance of drug discovery by preclinical and clinical trials.													
CO-PO Mapping														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PS03
CO1	2	2	1	2	3	3	3	2	2	3	3	2	2	2
CO2	3	3	3	3	1	2	2	3	3	2	3	3	3	3
CO3	3	3	3	3	2	2	3	3	3	2	2	2	3	2
CO4	2	2	3	3	3	3	3	2	2	2	2	2	2	3
CO avg(M)	2.5	2.5	2.5	2.75	2.25	2.5	2.75	2.5	2.5	2.25	2.5	2.25	2.5	2.25
Attainment														
Level*	2.5	2.5	2.5	2.75	2.25	2.5	2.75	2.5	2.5	2.25	3	2.25	2.5	2.5



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