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:24.07.2021

CIRCULAR

This is to inform that the below mentioned staff members are appointed as Institutional Academic Committee members for the Academic year 2021-22to discuss Institutional academic matters.

S NO	NAME OF THE FACULTY	DESIGNATION	SIGNATURE
1	Dr.K. BALAJI ,PRINCIPAL,AIPS	CHAIRPERSON	6
2	Dr.Y JAYAPRADHA, DIRECTOR-HR	MEMBER	03
3	Dr.NIHAR RANJAN DAS,VICE PRINCIPAL,AIPS IQAC COORDINATOR	MEMBER	W
4	Dr.M.RAMAKRISHNA PROFESSOR AND HEAD. DEPARTMENT OF PHARMACY	MEMBER	MRKib
5	Dr.B.MANJULA ASSOCIATE PROFESSOR AND HEAD. DEPARTMENT OF PHARMACY PRACTICE	MEMBER	Jagula B
6	Dr. G. SAI KIRAN	MEMBER	Gen
7	Dr. K. NAGARAJU	MEMBER	Kur
8	M.RAJASHEKAR,PHYSICAL DIRECTOR	MEMBER	Reasnetag
9	S.SRIDEVI,LIBRARIAN	MEMBER	ATA .

Copy to:

1.ALL HODs

2.IQAC Coordinator

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







INSTITUTIONAL ACADEMIC PLANNING & ADVISORY COMMITTEE

Institutional Academic Planning & Advisory Committee Members For the Academic Year 2021-

NAME OF THE FACULTY	DESIGNATION
Dr.K. BALAJI ,PRINCIPAL,AIPS	CHAIRPERSON
Dr.Y JAYA PRADHA, DIRECTOR-H.R	MEMBER
Dr.NIHAR RANJAN DAS,VICE PRINCIPAL,AIPS IQAC COORDINATOR	MEMBER
Dr.M.RAMAKRISHNA PROFESSOR AND HEAD. DEPARTMENT OF PHARMACY	MEMBER
Dr.B.MANJULA ASSOCIATE PROFESSOR AND HEAD. DEPARTMENT OF PHARMACY PRACTICE	MEMBER
Dr. G. SAIKIRAN, PROFESSOR	MEMBER
Dr. K. NAGARAJU, PROFESSOR	MEMBER
M.RAJASHEKAR,PHYSICAL DIRECTOR	MEMBER
S.SRIDEVI,LIBRARIAN	MEMBER
	Dr.K. BALAJI ,PRINCIPAL,AIPS Dr.Y JAYA PRADHA,DIRECTOR-H.R Dr.NIHAR RANJAN DAS,VICE PRINCIPAL,AIPS IQAC COORDINATOR Dr.M.RAMAKRISHNA PROFESSOR AND HEAD. DEPARTMENT OF PHARMACY Dr.B.MANJULA ASSOCIATE PROFESSOR AND HEAD. DEPARTMENT OF PHARMACY PRACTICE Dr. G. SAIKIRAN, PROFESSOR Dr. K. NAGARAJU, PROFESSOR M.RAJASHEKAR,PHYSICAL DIRECTOR

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.

6.Perform such other functions as may be assigned by the governing body Institute of Pharmaceutical Sciences Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist.

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AIPS/AC/2021-2022/01

Date: 31.07.2021

CIRCULAR

This is to inform all the staff members that Institutional Academic Committee will be meeting on 06.08.2021at 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 2021-22
- 2. Value added courses
- 3. Hospital training sessions and visits
- 4. Pharmacological and Analytical Project works
- 5. Research works and collaboration
- 6. Workshops/FDPs
- 7. Industrial visits
- 8. Training and Placements
- 9. Sports/NSS activities
- 10. Any other issues

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- PRINCIPAL

Avanthi's Institute of Pharmaceutical Sciences

Gunthapally (V), Hayath Nagar (M),

Ranga Reddy Dist.

Copy to:

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





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





The Institutional Academic Committee meeting was held on06.08.2021 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 2021-22.

Resolution:

- Dr. NiharRanjanDas 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 perayear eutical Sciences

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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. Javapradha, advised the faculty members to Publish at least one research paper per semester in High Indexed Journal. The entire remaining faculty were suggested topublish one paper in Scopus journal.
- Dr. B. Manjulaadvised all the faculty members to attend the FDP every year.
- Dr. K. Nagaraju, 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 programmesetc 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.

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Ranga Reddy Dist.









- She suggested the importance of proving training programmers 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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List of Academic Planning & Adivisory Committee Members attended

S.no	Name of the faculty	Designation	Signature
1	Dr.K. BALAJI ,PRINCIPAL,AIPS	CHAIR PERSON	
2	Dr. Y. JAYAPRADA, DIRECTOR- H. R	MEMBER	3
3	Dr.NIHAR RANJAN DAS,VICE PRINCIPAL,AIPS IQAC COORDINATOR	MEMBER	St
4	Dr.M.RAMAKRISHNA PROFESSOR AND HEAD. DEPARTMENT OF PHARMACY	MEMBER	MRKinds
5	Dr. B. MANJULA ASSOCIATE PROFESSOR AND HEAD. DEPARTMENT OF PHARMACY PRACTICE	MEMBER	Sarjub B
6	Dr. G. SAI KIRAN, PROFESSOR	MEMBER	Gu
7	Dr. K. NAGARAJUPROFESSOR	MEMBER	Kurk
8	M.RAJASHEKAR,PHYSICAL DIRECTOR	MEMBER	Robanky
9	S.SRIDEVI,LIBRARIAN	MEMBER	

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Date: 28.10.2021

DEPARTMENT OF PHARMACY

CIRCULAR

This is to inform that the Department Academic Committee (DAC) will be held on 02.11.2021 10:30AM at Principal Sir's chamber

Agenda:

- 1. Preparation of Department progress for the academic year 2021-2022
- 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

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

Copy to:

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

(Approved by PCI, AICTE & Affiliated to JNTUH)

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MINUTES OF THE INSTITUTIONAL ACADEMIC PLANNING & ADVISORY COMMITTEE

The Institutional Academic Committee meeting was held on 02.11.2021at 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 2021-22

Resolution:

Dr. M. Rama Krishna, HOD Pharmacy Analysed the results of B.Pharmacy 2020-2021 academic year and expressed satisfaction for getting more than 86% of pass percentageCommittee congratulated the faculty who met the target of 91% 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.

 PRINCIPAL Sciences

On 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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Ranga







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 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.

Dr. K. Nagaraju 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 informedand 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 themabreast with the changing demands of the industries

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





Agenda Item 7:

Industrial Visits to formulation Pharmaceutical Industries

Resolution:

- Dr. G. SAIKIRAN 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
- P. Lavanya suggested for arranging at least two guest lecturers to students in a Semester.

Agenda Item 8:

Sports/NSS Activities

Resolution:

- M. Rajashekarproposed 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 IOAC 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

PRINCIPAL Avanthi's Institute of Pharmaceutical Sciences Hayath Nagar (M),

Vechnical Education Reddy Dist. Committed to Excellen







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- HR	MEMBER	J2/
3	Dr.NIHAR RANJAN DAS, VICE PRINCIPAL, AIPS IQAC COORDINATOR	MEMBER	NAS
4	Dr.M.RAMAKRISHNA PROFESSOR AND HEAD. DEPARTMENT OF PHARMACY	MEMBER	MRKil
5	Dr. G. SAI KIRAN PROFESSOR	MEMBER	Gue
6	Dr. K. NAGARAJUPROFESSOR	MEMBER	Kup
7	P. LAVANYA, ASSOCIATE PROFESSOR	MEMBER	P
8	M.RAJASHEKAR,PHYSICAL DIRECTOR	MEMBER	Refasher of
9	S.SRIDEVI,LIBRARIAN	MEMBER	

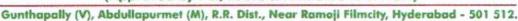
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PRINCIPAL PRINCIPAL

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









DEPARTMENT OF PHARMACY PRACTICE

CIRCULAR

Date: 28.07.2021

This is to inform that the Department Academic Committee (DAC) will be held on 02.08.2021 10:30AM at Principal Sir's chamber.

Agenda:

- 1. Preparation of department progress for the academic year 2021-22
- 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

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

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 on02.08.2021at 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 2020-2021 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. Swathisuggested faculty to train the students to participate in bed side learning.
- Dr. Evangeleenproposed 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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Ranga Reddy Dist.







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 Azeeminformed the faculty members to organize various activities in the form of Competitions, Guest lectures, Career guidance, Entrepreneurship programmesetc 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:

Rearch 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.

ical Education RINCIPAL Committed to Excellence in Tel Avanthi's Institute of Pharmaceutical Sciences Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist.









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

MD Abdul Azeemalso 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. NiharRanjanDas The IQAC coordinator instructed all the staff members to maintain updated stock registers, Maintenance 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

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



(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	63
3	Dr.NIHAR RANJAN DAS,VICE PRINCIPAL,AIPS IQAC COORDINATOR	MEMBER	NIL
4	Dr.B.MANJULA ASSOCIATE PROFESSOR AND HEAD. DEPARTMENT OF PHARMACY PRACTICE	MEMBER	Sarjula 13
5	MD. ABDUL AZEEM, ASSOCIATE PROFESSOR	MEMBER	Asser
6	P. SWATHI PATEL, ASSISTANT PROFESSOR	MEMBER	A secon
7	Dr. EVANGELEEN, ASSISTANT PROFESSOR	MEMBER	A town law
8	M.RAJASHEKAR,PHYSICAL DIRECTOR	MEMBER	Réasher
9	S.SRIDEVI,LIBRARIAN	MEMBER	

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

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

REVISED ACADEMIC CALENDAR 2021-22

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

ISEM

S. No	D	Duration	
5. NO	Description	From To	To
1	Induction programme	09.12.	2021 to 18.12.2021
2	1st Spell of Instructions	20.12.2021	12.02.2022 (7 Weeks)
2	Holidays	08.01.2022	16.01.2022
3	First Mid Term Examinations	14.02.2022	19.02.2022 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	26.02.2022	
5	2 nd Spell of Instructions	21.02.2022	30.04.2022 (10 Weeks)
6	Second Mid Term Examinations	02.05.2022	07.05.2022 (1 Week)
7	Preparation Holidays and Practical Examinations	09.05.2022	14.05.2022 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before	14.05.2022	
9	End Semester Examinations	16.05.2022	28.05.2022 (2 Weeks)

II SEM

S. No	Description	Duration	Duration
S. 140	Description	From To	
1	Commencement of II Semester classwork		30.05.2022
2	1st Spell of Instructions	30.05.2022	23.07.2022 (8 Weeks)
3	First Mid Term Examinations	26.07.2022	30.07.2022 (1 Week)
4 .	Submission of First Mid Term Exam Marks to the University on or before		06.08.2022
5	2 nd Spell of Instructions	01.08.2022	24.09.2022 (8 Weeks)
6	Second Mid Term Examinations	26.09.2022	01.10.2022 (1 Week)
7	Preparation Holidays and Practical Examinations	03.10.2022	08.10.2022 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before		08.10.2022
9	End Semester Examinations	10.10.2022	22.10.2022 (2 Weeks)

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PRINCIPAL OF INSTITUTE OF INSTI

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

REVISED ACADEMIC CALENDAR 2021-22

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

ISEM

S. No	Description	Duration	
5. NO	Description	From	To
1	Dussehra Recess	11.10.2021	16.10.2021 (1 Week)
2	Commencement of I Semester classwork		18.10.2021
3	1st Spell of Instructions	18.10.2021	11.12.2021 (8 Weeks)
4	First Mid Term Examinations	13.12.2021	18.12.2021 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before		
6	2 nd Spell of Instructions	20.12.2021	12.02.2022 (8 Weeks)
7	Second Mid Term Examinations	14.02.2022	19.02.2022 (1 Week)
8	Continuation of 2nd Spell of Instructions	21.02.2022	26.02.2022 (1 Week)
9	Practical Classes, Examinations and Preparation Holidays	28.02.2022	05.03.2022 (1 Week)
10	Submission of Second Mid Term Exam Marks to the University on or before	26.02.2022	
11	End Semester Examinations	07.03.2022	19.03.2022 (2 Weeks)

II SEM

S. No	Donatin diam	Duration To	
5. 140	Description		
1	Commencement of II Semester classwork		21.03.2022
2	1 st Spell of Instructions (including Summer Vacation)	21.03.2022	28.05.2022 (10 Weeks)
3	Summer Vacation	09.05.2022	14.05.2022 (1 Week)
4	First Mid Term Examinations	30.05.2022	04.06.2022 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before		11.06.2022
6	2 nd Spell of Instructions	06.06.2022	30.07.2022 (8 Weeks)
7	Second Mid Term Examinations	01.08.2022	06.08.2022 (1 Week)
8	Preparation Holidays and Practical Examinations	08.08.2022	16.08.2022 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before		16.08.2022
10	End Semester Examinations	17.08.2022	30.08.2022 (2 Weeks)

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PRINCIPAL OF INSTITUTE OF INSTITUTE OF INSTITUTE OF PHARMACEUTICAL SCIENCES (M) Abdullapurmet (M) Abdullapurmet (M) Abdullapurmet (M) R.R. Dist. Telangana

REGISTRAR

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD REVISED ACADEMIC CALENDAR 2021-22

B. Tech./B.Pharm. III & IV YEARS I & II SEMESTERS

ISEM

S. No	Description	Duration	
5. NO	Description	From	То
1	Commencement of I Semester classwork		06.092021
2	1 st Spell of Instructions (including Dussehra Recess)	06.09.2021	06.11.2021 (9 Weeks)
3	Dussehra Recess	11.10.2021	16.10.2021 (1 Week)
4	First Mid Term Examinations	08.11.2021	13.11.2021 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before	20.11.2021	
6	2 nd Spell of Instructions	15.11.2021	08.01.2022 (8 Weeks)
7	Second Mid Term Examinations		02.02.2022 to
8	Practical Examinations	02.02.2022	28.02.2022 As per the convenience of the Colleges
9	Submission of Second Mid Term Exam Marks to the University on or before		02.03.2022
10	End Semester Examinations	09.02.2022	02.03.2022

II SEM

C M-	Diti	Duration	
S. No	Description	From	То
1	Commencement of II Semester classwork		03.03.2022
2	1st Spell of Instructions	03.03.2022	30.04.2022 (8 Weeks)
3	First Mid Term Examinations	02.05.2022	07.05.2022 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before		14.05.2022
5	Summer Vacation	09.05.2022	14.05.2022 (1 Week)
6	2 nd Spell of Instructions (including Summer Vacation)	16.05.2022	09.07.2022 (8 Weeks)
7	Second Mid Term Examinations	11.07.2022	16.07.2022 (1 Week)
8	Preparation Holidays and Practical Examinations	18.07.2022	23.07.2022 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	×1	23.07.2022
10	End Semester Examinations	26.07.2022	06.08.2022 (2 Weeks)

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD ACADEMIC CALENDAR 2021-22

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

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

S. No	Description	Duration		
S. 190	Description	From	То	
1	Commencement of classwork	4	09.12.2021	
2	1 st Spell of Instructions (including Supplementary Examinations)	09.12.2021	09.03.2022 (13 Weeks)	
3	Supplementary Examinations	03.01.2022	08.01.2022 (1 Week)	
4	First Mid Term Examinations	10.03.2022	16.03.2022 (1 Week)	
5	Submission of First Mid Term Exam Marks to the University on or before	23.03.2022		
6	2 nd Spell of Instructions	17.03.2022	08.06.2022 (12 Weeks)	
7	Second Mid Term Examinations	09.06.2022	15.06.2022 (1 Week)	
8	Submission of Second Mid Term Exam Marks to the University on or before	22.06.2022		
9	3 rd Spell of Instructions	16.06.2022	07.09.2022 (12 Weeks)	
10	Third Mid Term Examinations	08.09.2022	14.09.2022 (1 Week)	
11	Preparation Holidays and Practical Examinations	15.09.2022	28.09.2022 (2 Weeks)	
12	Submission of Third Mid Term Exam Marks to the University on or before	22.09.2022		
13	End / Supplementary Examinations	29.09.2022	14.10.2022 (2 Weeks)	

REGISTRAR

PRINCIPAL —
AVANTHI INSTITUTE OF
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD REVISED ACADEMIC CALENDAR 2021-22

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

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

C N.	Description	Duration		
S. No	Description	From	To	
1	Dussehra Recess	11.10.2021	16.10.2021 (1 Week)	
2	Commencement of classwork		18.10.2021	
3	1 st Spell of Instructions (including Supplementary Examinations)	18.10.2021	15.01.2022 (13 Weeks)	
4	Supplementary Examinations	22.11.2021	27.11.2021 (1 Week)	
5	First Mid Term Examinations	17.01.2022	22.01.2022 (1 Week)	
6	Submission of First Mid Term Exam Marks to the University on or before	29.01.2022		
7	2 nd Spell of Instructions	24.01.2022	16.04.2022 (12 Weeks)	
8	Second Mid Term Examinations	18.04.2022	23.04.2022 (1 Week)	
9	Submission of Second Mid Term Exam Marks to the University on or before	30.04.2022		
10	3 rd Spell of Instructions (including summer vacation)	26.04.2022	30.07.2022 (14 Weeks)	
11	Summer vacation	15.05.2022 29.05.2022 (2 Wee		
12	Third Mid Term Examinations	01.08.2022	06.08.2022 (1 Week)	
13	Preparation Holidays and Practical Examinations	08.08.2022	20.08.2022 (2 Weeks)	
14	Submission of Third Mid Term Exam Marks to the University on or before	16.08.2022		
15	End / Supplementary Examinations	22.08.2022	03.09.2022 (2 Weeks)	

REGISTRAR

PHARMACEUTICAL SCIENCES *

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

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

Academic Calendar 2021-22

Pharm. D (Regular) III, IV, V, VI Years and Pharm.D (PB) III Year

Pharm. D (Regular) III, IV, V Years

S. No	Description	Duration		
5. 140	Description	From	To	
1	Commencement of classwork		09.08.2021	
2	1 st Spell of Instructions (including Dussehra Recess)	09.08.2021	06.11.2021 (12 Weeks)	
3	Dussehra Recess	11.10.2021	16.10.2021	
4	First Mid Term Examinations	08.11.2021	13.11.2021 (1 Week)	
5	2 nd Spell of Instructions	15.11.2021	12.02.2022 (13 Weeks)	
6	Submission of First Mid Term Exam Marks to the University on or before	20.11.2021		
7	Supplementary Examinations	22.11.2021	27.11.2021	
8	Second Mid Term Examinations	14.02.2022	19.02.2022 (1 Week)	
9	Submission of Second Mid Term Exam Marks to the University on or before	26.02.2022		
10	3 rd Spell of Instructions	21.02.2022	07.05.2022 (11 Weeks)	
11	Third Mid Term Examinations	09.05.2022	14.05.2022 (1 Week)	
12	Preparation Holidays and Practical Examinations	16.05.2022	28.05.2022 (2 Weeks)	
13	Submission of Third Mid Term Exam Marks to the University on or before	21.05.2022		
14	End / Supplementary Examinations	30.05.2022 11.06.2022 (2 Weeks		
15	Summer vacation	13.06.2022	18.06.2022 (1 Week)	

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

S. No	Description	Duration	
	Description	From	To
1	Commencement of internship in General ward	09.08.2021	05.02.2022 (6 Months)
2	Report submission of internship in General ward		07.02.2022
3	Commencement of internship in Specialty ward-1	08.02.2022	07.04.2022 (2 Months)
4	Report submission of internship in Specialty ward-1	oecialty 09.04.2022	
5	Commencement of internship in Specialty ward-2	11.04.2022	10.06.2022 (2 Months)
6	Report submission of internship in Specialty ward-2		11.06.2022
7	Commencement of internship in Specialty ward-3	13.06.2022	12.08.2022 (2 Months)
8	Report submission of internship in Specialty ward-3		13.08.2022
9	Final viva of internship		17.08.2022

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

REVISED ACADEMIC CALENDAR 2021-22

Pharm. D (Regular) III, IV, V, VI Years

Pharm. D (Regular) III, IV, V Years

S. No	Description	Duration		
	Description	From	То	
1	Commencement of classwork		09.08.2021	
2	1 st Spell of Instructions (including Dussehra Recess)	09.08.2021 06.11.2021 (12 We		
3	Dussehra Recess	11.10.2021	16.10.2021	
4	First Mid Term Examinations	08.11.2021	13.11.2021 (1 Week)	
5	2 nd Spell of Instructions	15.11.2021	12.02.2022 (13 Weeks)	
6	Submission of First Mid Term Exam Marks to the University on or before	20.11.2021		
7	Supplementary Examinations	22.11.2021	27.11.2021	
8	Second Mid Term Examinations	14.02.2022	19.02.2022 (1 Week)	
9	Submission of Second Mid Term Exam Marks to the University on or before	26.02.2022		
10	3 rd Spell of Instructions	21.02.2022	14.05.2022 (12 Weeks)	
11	Third Mid Term Examinations	16.05.2022	21.05.2022 (1 Week)	
12	Preparation Holidays and Practical Examinations	23.05.2022	04.06.2022 (2 Weeks)	
13	Submission of Third Mid Term Exam Marks to the University on or before	28.05.2022		
14	End / Supplementary Examinations	06.06.2022 18.06.2022 (2 Week		
15			25.06.2022 (1 Week)	

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PRINCIPAL AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES

PHARMACEUTICAL SCIENCES

(M).

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD REVISED ACADEMIC CALENDAR 2021-22

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

ISEM

S. No	Description	Duration		
	Description	From	То	
1	Commencement of I Semester classwork	15.11.2021		
2	1st Spell of Instructions	15.11.2021 08.01.2022 (8 W		
3	First Mid Term Examinations	As per the convenience of the Colleges		
4	Submission of First Mid Term Exam Marks to the University on or before	25.01.2022		
5	2 nd Spell of Instructions	17.01.2022	19.03.2022 (9 Weeks)	
6	Second Mid Term Examinations	21.03.2022	26.03.2022 (1 Week)	
7	Preparation Holidays and Practical Examinations	28.03.2022	01.04.2022 (1 Week)	
8	Submission of Second Mid Term Exam Marks to the University on or before	01.04.2022		
9	End Semester Examinations	04.04.2022 20.04.2022 (2 Weeks		

II SEM

PHARMAC

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C N	D instinu	Duration		
S. No	Description	From	To	
1	Commencement of II Semester classwork	21.04.2022		
2	1 st Spell of Instructions (including Summer Vacation)	21.04.2022	25.06.2022 (9 Weeks)	
3	Summer Vacation	09.05.2022	14.05.2022 (1 Week)	
4	First Mid Term Examinations	27.06.2022	02.07.2022 (1 Week)	
5	Submission of First Mid Term Exam Marks to the University on or before	09.07.2022		
6	2 nd Spell of Instructions	04.07.2022	27.08.2022 (8 Weeks)	
7	Second Mid Term Examinations	29.08.2022	03.09.2022 (1 Week)	
8	Preparation Holidays and Practical Examinations	05.09.2022	10.09.2022 (1 Week)	
9	Submission of Second Mid Term Exam Marks to the University on or before	10.09.2022		
10	End Semester Examinations	12.09.2022	24.09.2022 (2 Weeks)	

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AVANTHI INSTITUTE OF

PHARMACEUTICAL SCIENCES

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD REVISED ACADEMIC CALENDAR 2021-22 M.Tech./ M.Pharm. II YEAR I & II SEMESTERS

ISEM

C M-	D	Duration		
S. No	Description	From	To	
1	Commencement of I Semester classwork		09.11.2021	
2	1 st Spell of Instructions	09.11.2021	31.12.2021 (8 Weeks)	
3	Preparation of Project Work Proposals	09.11.2021	04.12.2021 (4 Weeks)	
4	Project Work Review-I: (Project approval / commencement)	06.12.2021	11.12.2021	
5	Last date for submission of list of approved PRC-I students from the College to the University Examination branch.	14.12.2021		
6	First Mid Term Examinations	03.01.2022	07.01.2022 (1 Week)	
7	Submission of First Mid Term Exam Marks to the University on or before		19.01.2022	
8	2 nd Spell of Instructions	17.01.2022	12.03.2022 (8 Weeks)	
9	Second Mid Term Examinations	14.03.2022	19.03.2022 (1 Week)	
10	Preparation Holidays and Practical Examinations	21.03.2022	26.03.2022 (1 Week)	
11	Submission of Second Mid Term Exam Marks to the University on or before	26.03.2022		
12	End Semester Examinations	28.03.2022	09.04.2022 (2 Weeks)	

II SEM

ABDULLAPUR

C M-	Description	Duration	
S. No	Description	From	To
1			11.04.2022
2	(13.12.2021 to 11.04.2022 – 17 weeks)	11.04.2022 14.04.2022 (1 W. 1	
3	Project Work Review -II (Phase-I)	11.04.2022	16.04.2022 (1 Week)
4	** Project Work Review -II (Phase-II) Last date for submission of PRC-II marks	05.05.2022	07.05.2022 (3 days)
4		11.05.2022	
5	Project Work Review -III (Phase -I) (18.04.2022 to 10.09.2022 - 21 Weeks)	12.09.2022 17.09.2	
6	Last date for submission of Project Work Review-III (Phase-I) Marks 24.09.2022		24.09.2022
7	* Date of eligibility of thesis submission		24.09.2022
8	Submission of Thesis and Project Viva –Voce Examination (PRC-III Phase-I)		
9	** Project Work Review – III (Phase –II) (19.09.2022 to 17.12.2022 – 13 Weeks)	19.12.2022 21.12.2022 (3	
10	Last date for submission of Project Work Review –III (Phase-II) Marks	22.12.2022	
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-II in the next academic year at the time of Project Work Review -I only after completion of Project Work Review -II, and then Project Work Review -III follows.

2 The Argical Viva-Voce External examination Marks must be submitted on the day of examination to the University.

AVANTH! INSTITUTE OF PHARMACEUTICAL SCIENCES
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R.R. Dist. Telangana.







INSTITUTIONAL ACADEMIC CALENDER

ACADEMIC YEAR 2021-2022

S.NO	DATE	NAME OF THE EVENT
AUGUST	02.08.2021	ACADEMIC COMMITTEE MEETING OF DEPARTMENT OF
		PHARMACY
	06.08.2021	INSTITUIONAL ACADEMIC COMMITTEE MEETING
	09.08.2021	COMMENCEMENT OF INTERNSHIP IN GENERAL WARD
SEPTEMBER	06.09.2021	COMMENCEMENT OF I SEMESTER CLASSWORK OF III & IV
		YERAS
	06.09.2021-	1 ST SPELL OF INSTRUCTIONS (INCLUDING DUSSEHRA
	06.11.2021	RECESS) OF I SEMESTER OF III & IV YEARS
	09.09.2021	ACADEMIC COMMITTEE MEETING OF I SEMESTER OF
	10.09.2021	VINAYAKA CHAVITHI
	20.11.2021	FIRST MID TERM EXAMINATIONS FOR M PHARM 1ST YEAR
	24.09.2021	NSS DAY
	15.11.2021	COMMENCEMENT OF 1 ST SEMESTER FOR M PHARM
		1 ST SPELL OF INSTRUCTIONS FOR M PHARM 1 ST YEAR
	25.09.2021	WORLD PHARMACIST DAY
OCTBER	02.10.2021	MATHATMA GANDHI JAYANTHI
	06.10.2021	BATHUKAMMA STARTING DAY
	11.10.2021-	DUSSEHRA RECESS OF I SEMESTER 2 ND YEAR
	16.10.2021	
	15.10.2021	VIJAYA DASAMI
	18.10.2021	COMMENCEMENT OF I SEMESTER CLASSWORK OF 2 ND
		YEAR
	18.10.2021-	1 ST SPELL OF INSTRUCTIONS OF I SEMESTEROF 2 ND YEAR
	11.12.2021	
	11.10.2021	DUSHEERA RECESS FOR PHARM D III,IV,V,VI YEARS
	19.10.2021	EID MILADUN NABI
	20.10.2021	BONALU
NOVEMBER	2.11.2021	ACADEMIC COMMITTEE MEETING
		DEPARTMENT OF PHARMACY
	04.11.2021	DEEPAVALI
	08.11.2021-	FIRST MID TERM EXAMINATIONS OF I SEMESTER OF III &
	13.11.2021	IV YEARS
	08.11.2021	FIRST MID TERM EXAMINATIONS FOR PHARM D III, IV, V, VI
		YEARS
	09.11.2021	COMMENCEMENT OF 1 SEMESTER CLASSWORK
		1 ST SPELL OF INSTRUCTIONS
	14.11.2021	CHILDREN'S DAY
	15.11.2021	1 ST SPELL OF INSTRUCTIONS FOR M PHARM
	15.11.2021-	2 ND SPELL INSTRUCTIONS OF I SEMESTER OF III & IV YEARS
	08.01.2022	COMMENCEMNT OF 1 ST SEMSTER CLASSWORK

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Gunthanally (V)	Abdullanurmet (M)	R.R. Dist., N	lear Ramoli Filmcity.	Hyderabad - 501 512.
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Gunth	19.11.2021	KARTIKA PURNIMA
Section (Section (Sec		NATIONAL PHARMACY WEEK
	21.11.2021-25.11.2021	NATIONAL PHARMACY WEEK
		CURRY EMENTARY EVANDATIONS FOR BUARM D. H.
	22.11.2021	SUPPLEMENTARY EXAMINATIONS FOR PHARM D II,
		III,IV,V,VI YEARS
	22 11 2021	TREE PLANTATION SWATCH BHARAT
	23.11.2021	GENDER SENSITIZATION PROGRAMME
DECEMBER	01.12.2021	WORLD AIDS DAY
	08.12.2021	TELENGANA HARITHAHARAM
	06.12.2021	PROJECT WORK REVIEW 1
	10.12.2021	AWARENESS ON WEB COUNSELLING
	13.12.2021-	FIRST MID TERM EXAMINATION OF I SEMESTER OF 2 ND
	18.12.2021	YEAR
*	18.12.2021	WOMEN'S RIGHTS
	14.12.2021	LAST DATE FOR SUBMISSION OF LIST OF APPROVED PRC 1
		STUDENTS FROM THE COLLEGE TO THE UNIVERSITY
		EXAMINATION BRANCH
	09.12.2021-	INDUCTION PROGRAMME OF I SEMESTER OF 1ST YEAR
	18.12.2021	
	20.12.2021-	1st SPELL OF INSTRUCTIONS I SEMESTER OF 1ST YEAR
	12.02.2022	I SI LEE OF INSTRUCTIONS I DEMESTER OF I TEM
	09.12.2021	COMMENCEMENT OF CLAAWORK FOR PHARM D 1ST YEAR
	07.12.2021	1 ST SPELL OF INSTRUCTIONS FOR PHARM D 1 ST YEAR
	20.12.2021-	2 ND SPELL OF INSTRUCTIONS OF I SEMESTER OF 2 ND YEAR
	12.02.2021	2 SPELL OF INSTRUCTIONS OF I SLIVILSTER OF 2 TEAR
	25.12.2021	CHRISTMAS
	26.12.2021	BOXING DAY
	30.12.2021	ANNUAL DAY CELEBRATIONS
JANUARY	01.01.2022	NEW YEAR DAY
	03.01.2022	SUPPLEMENTARY EXAMINATIONS FOR PHARM D I YEAR
		SUBMISSION OF 1 ST MID TERM EXAM MARKS TO THE
		UNIVERSITY ON OR BEFORE
		FIRST MID TERM EXAMS FOR M PHARM 2 ND YEAR
	06.01.2022	AWARENESS PROGAMME ON DURG MENACE
	07.01.2022	PONGAL CELEBRATIONS
	10.03.2022	FIRST MID TERM EXAMINATIONS FOR PHARM D 1ST YEAR
	12.01.2022	NATIONAL YOUTH DAY
	14.01.2022	BHOGI
	15.01.2022	SANKRANTI
	17.01.2022	2 ND SPELL OF INSTRUCTIONS
	17.01.2022	1 ST MID TERM EXAMINATIONS FOR PHARM D 2 ND YEAR
		2 ND SPELL OF INSTRUCTIONS
	21.01.2022	ANTI RAGGING COMMITTEE MEETING
	22.01.2022	BETI BACHAO BETI PADHAO
		SUBMISSION OF 1 ST MID TERM EXAM MARKS TO THE
	25.01.2022	UNIVERSITYB ON OR BEFORE
	24.01.2022	
	24.01.2022	SAVE GIRL CHILD

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(Approved by PCI, AICTE & Affiliated to JNTUH)

******		proved by PCI, AICIE & Affiliated to JN10H)
Gunth	apally (V), Abdu	Blapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.
		2 ND SPELL OF INSTRUCTIONS OF PHARM II YEAR
	29.01.2022	SUBMISSION OF FIRST MID TERM EXAM MARKS TO THE
		UNIVERSITY ON OR BEFORE
	9.01.2022	GOVERNIG BODY MEETING
	26.01.2022	REPUBLIC DAY
FEBUARY	02.02.2022-	SECOND MID TERM EXAMINATIONS OF I SEMESTER OF III
LEBURKI	28.02.2022	& IV YEARS
	07.02.2022	REPORT SUBMISSION OF INTERNSIP IN GENERAL WARD
	08.02.2022	COMMENCEMENT NOF INTERNSHIP IN SPECIALITY WARD
	00.02.2022	1
	13.02.2022	GUEST LECTURE FOR B.PHARM
The state of the s	14.02.2022	SECOND MID TERM EXAMINATIONS FOR PHARM D
	14.02.2022	III,IV,V,VI YEARS
		PRACTICAL EXAMINATIONS OF I SEMESTER OF III & IV
		YEARS
	09.02.2022-	END SEMESTER EXAMINATION OF I SEMESTER OF III & IV
	02.03.2022	YEARS
fer, Common profess	10.02.2022	ACADEMIC COMMITTEE MEETING OF II SEMESTER
	14.02.2022-	FIRST MID TERM EXAMINATIONS OF I SEMESTER OF 1 ST
	19.02.2022	YEAR
	14.02.2022-	SECOND MID TERM EXAMINATION OF I SEMESTER OF 2 ND
	19.02.2022	YEAR
	21.02.2022-	2 nd SPELL OF INSTRUCTIONS OF I SEMESTER OF 1 ST YEAR
	30.04.2022	
	21.02.2022	3 RD SPELL OF INSTRUCTIONS FOR PHARM D III,IV,V,VI
		YEARS
The state of the s	21.02.2022-	CONTINUATION OF 2 ND SPELL OF INSTRUCTIONS OF I
	26.02.2022	SEMESTER OF 2 ND YEAR
	24.02.2022	NATIONAL WOMEN'S DAY
	26.02.2022	SUBMISSION OF SECOND MID TERM MID TERM EXAMS TO
		THE UNIVERSITY ON OR BEFORE FOR PHARM D III, IV, V, VI
		YEARS
	28.02.2022-	PRACTICAL CLASSES, EXAMINATIONS AND PREPARATION
	05.03.2022	HOLIDAYS OF I SEMESTER OF 2 ND YEAR
MARCH	01.03.2022	MAHA SHIVARATRI
	03.03.2022	COMMENCEMENT OF II SEMESTER CLASSWORK OF III & IV
		YEARS
	03.03.2022-	1 ST SPELL OF INSTRUCTIONS OF II SEMESTER OF III & IV
	30.04.2022	YEARS
	07.03.2022-	END I SEMESTER EXAMINATIONS OF 2 ND YEAR
	19.03.2022	
	10.03.2022	GUEST LECTURE FOR PHARM.D
	14.03.2022	2 ND MID TERM EXAMS
	17.03.2022	2 ND SPELL OF INSTRUCTIONS FOR PHARM DIST YEAR
	08.03.2022	INTERNATIONAL WOMEN'S DAY
	09.03.2022	FACULTY DEVELOPMENT PROGRAM

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Gunthapally (V), Hayath Nagar (M),
Ranga Reddy Dist.





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Gu	18.03.2022	HOLI
		COMMENCEMENT OF II SEMESTER CLASSSWORK OF 2 ND
	21.03.2022	YEAR
		2 ND MID TERM EXAMINATIONS
		PREPARATION HOLIDAYS AND PRACTICAL
		EXAMINATIONS
	21.02.2022	1 ST SPELL OF INSTRUCTIONS (INCLUDING SUMMER
	21.03.2022-	VACATIOJNS) OF II SEMESTER OF 2 ND YEAR
	28.05.2022	2 ND MID TERM EXAMINATIONS
	23.03.2022	SUBMISSION OF THE FIRST MID TERM EXAM MARKS TO THE UNIVERSITY ON OR BEFORE FOR PHARM D 1 ST YEAR
	25.03.2022	FRESHER'S DAY CELEBRATIONS
	26.03.2022	SUBMISSION OF 2 ND MID TERM EXAM MARKS TO THE
	20.03.2022	UNIVERSITY ON OR BEFORE
	28.03.2022	PREPARATION HOLIDAYS AND PRATICAL
	20.03.2022	EXAMINAZTIONS FOR M PHARM
		EBD SEMSTER FOR M PHARM 2 ND YEARS
	30.03.2022-	BIO-ADHYAYAN 2022
	31.03.2022	DIO-MITTITAL EVEE
APRIL	02.04.2022	UGADI
AIRIL	04.04.2022	END SEMSTER EXAMINATIONS
	05.04.2022	BABU JAGJIVAN RAM'S BIRTHDAY
	01.04.2022	SUBMISSION OF 2 ND MID TERM EXAM MARKS TO THE
		UNIVERSITY ON OR BEFORE
	07.04.2022	WORLD HEALTH DAY
	09.04.2022	REPORT SUBMISSION OF INTERNSHIP IN SPECIALITY
	10.01.000	WARD 1
	10.04.2022	SRI RAMA NAVAMI
	11.04.2022	REPORT SUBMISSION OF INTERNSHIP IN SPECIALITY
		WARD 2
	14.04.2022	Dr.AMBEDKAR'S BIRTHDAY
	15.04.2022	GOOD FRIDAY
	18.04.2022	TRADITIONAL DAY
		2 ND MID TERM EXAMINATIONS
	20.04.2022	WORLD EARTH DAY
	21.04.2022	COMMENCEMENT OF II SEMESTER CLASSWORK
		1 ST SPELL OF INSTRUCTIONS
	26.04.2022	3 RD SPELL OF INSTRUCTIONS
	30.04.2022	SUBMISSION OF 2 ND MID TERM EXAMS MARKS TO THE
		UNIVERSITY ON OR BEFORE
MAY	02.05.2022-	SECOND MID TERM EXAMINATIONS OF I SEMESTER OF 1ST
¥;	07.05.2022	YEAR
	02.05.2022-	FIRST MID TERM EXAMINATIONS OF II SEMESTER OF III &
	07.05.2022	IV YEARS
	03.05.2022	RAMZAN
	05.05.2022	Project Work Review -II (Phase-1)

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





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*		ullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.
	09.05.2022	SUMMER VACATION
	11.05.2022	Last date for submission of PRC-II marks Project Work Review -III (Phase-1) (18.04.2022 to 10.09.2022-21 Weeks)
	09.05.2022- 14.05.2022	PERPARATION HOLIDAYS AND PRACTICAL EXAMINAIONS OF I SEMESTER OF 1 ST YEAR
	16.05.2022-	END I SEMESTER EXAMINATIONS OF 1ST YEAR
	28.05.2022	THIRD MID TERM EXAMINATIONS FOR PHARM D III,IV,V,VI YEARS
	16.05.2022-	2 ND SPELL OF INSTRUCTIONS (INCLUDING SUMMER
	09.07.2022	VACTIONS) OF II SEMESTER OF III & IV YEARS
You want	20.05.2022	BLOOD DONATION CAMP
	23.05.2022	PREPARATION HOLIDAYS AND PRATICAL EXAMINATIONS FOR PHARM D III,IV,V,VI YEARS.
	28.05.2022	WORLD NUTRITION DAY SUBMISSION OF THE THIRD MID TERM EXAM MARKS TO THE UNIVERSITY ON OR BEFORE FOR PHARM D III,IV,V,VI YEARS
	30.05.2022	COMMENCEMENT OF II SEMESTER CLASSWORK OF 1 ST YEAR
	30.05.2022-	FIRST MID TERM EXAMINATIONS OF II SEMESTER OF 2 ND
	04.06.2022	YEAR
	30.05.2022- 23.07.2022	FIRST SPELL OF INSTRUCTIONS OF II SEMESTER OF 1 ST YEAR
JUNE	06.06.2022- 30.07.2022	2 ND SPELL OF INSTRUCTIONS OF II SEMESTER OF 2 ND YERA
	06.06.2022	FAREWELL DAY OF B PHARMACY END/SUPPLEMENTARY EXAMS FOR PHARM D III,IV,V,VI YEARS
	11.06.2022.	REPORT SUBMISSION OF INTERNSHIP IN SPECIALITY WARD 3
	13.06.2022	SUMMER VACCATION COMMENCEMENT OF INTERNSHIP IN SPECIALITY WARD 3
are to the same of	16.06.2022	3 RD SPELL OF EXAMINATIONS FOR PHARM D I ST YEAR
THE COLUMN TWO IS NOT	09.06.2022	SECOND MID TERM EXAMINATIONS FOR PHARM D 1 ST YEAR
	22.06.2022	SUBMISSION OF SECOND MID TERM EXAM MARKS TO THE UNIVERSITY ON OR BEFORE
	27.06.2022	1 ST MID TERM EXAMINATIONS FOR M PHARM
	20.06.2022	SUMMER VACCATION FOR PHARM D III, IV, V, VI YEARS
JULY	26.07.2022-	FIRST MID TERM EXAMINATION OF II SEMESTER OF 1ST
	30.07.2022	YEAR
	04.07.2022	2 ND SPELL OF INSTRUCTIONS FOR M PHARM
	09.07.2022	SUBMISSION OF 1 ST MID TERM EXAMS MARKS TO THE UNIVERSITY ON OR BEFORE
	11.07.2022-	SECOND MID TERM EXAMINATIONS OF II SEMESTER OF 3RD
	16.07.2022	AND 4 TH YEARS
1	18.07.2022-	PREPARATION HOLIDAYS AND PRACTICAL
	(parties and a second	

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Gunt	hapally (V), Abdu	ollapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.
And the second s	23.07.2022	EXAMINATIONS OF II SEMESTER OF 3 RD AND 4 TH YEARS
	25.07.2022	THIRD MID TERM EXAMINATIONS FOR PHARM D 2 ND YEAR
	26.07.2022-	END II SEMESTER OF 3 RD AND 4 TH YEARS
	06.08.2022	
AUGUST	01.08.2022-	2 ND SPELL OF INSTRUCTIONS OF II SEMESTER OF 1 ST YEAR
	24.09.2022	PREPARATION HOLIDAYS AND PRATICALS
		EXAMINATIONS
	01.08.2022-	SECOND MID TERM EXAMINATIONS OF II SEMESTER 2 ND
	06.08.2022	YEAR
		SUBMISSION OF THIRD MID TERM EXAM MARKS TO THE
	The state of the s	UNIVERSITYU ON OR BEFORE
	08.08.2022-	PREPARATION HOLIDAYS AND PRACTICAL
	16.08.2022	EXAMINATIONS OF II SEMESTER OF 2 ND YEAR
		END /SUPPLEMENTARY EXAMINATIONS FOR PHARM D 2 ND
		YEAR
	09.08.2021	COMMENCEMENT OF CLASSWORK FOR PHARM D
		III,IV,V,VI
		1 ST SPELL OF INSTRUCTIONS FOR PHARM D III,IV,V,VI
		YEARS
	29.08.2022	2 ND MID TERM EXAMINATIONS FOR M PHARM
	17.08.2022	FINAL VIVA OF INTERNSHIP FOR M PHARM
	17.08.2022-	END II SEMESTER EXAMINATIONS OF 2 ND YEAR
	30.08.2022	END II SEMESTER EXAMINATIONS OF 2 TEAR
SEPT	08.09.2022	THIRD MID TERM EXAMINATIONS FOR PHARM D I ST YEAR
5211	05.09.2022	PREPARTION HOLIDAYS AND PRACTICAL EXAMINATION
	10.09.2022	SUBMISSION OF 2 ND MID TERM MARKS TO THE
	1 20100 1 201	UNIVERSITY ON OR BEFORE
	15.02.2022	PREPARATION HOLIDAYS AND PRATICAL EXAMINATIONS
	12.09,2022	END SEMESTER EXAMINATIONS
	12.09.2022	PROJECT WORK REVIEW III
	29.09.2022	END\SUPPLEMENTARY EXAMINATIONS FOR PHARM D 1ST
		YEAR
	24.09.2022	LAST DATE FOR SUBMISSION OF PROJECT WORK REVIEW 3
		(PHASE 1)MARKS
		DATE OF ELIGIBILITY OF THEIS SUBMISSION
	22.09.2022	SUBMISSIONS OF THIRD MID TERM EXAM MARKS TO THE
		UNIVERSITY ON OR BEFORE
OCTOBER	03.10.2022-	PREPARATION HOLIDAYS AND PRACTICAL
	08.10.2022	EXAMIANTIONS OF II SEMESTER OF 1ST YEAR
	10.10.2022-	END II SEMESTER EXAMINATIONS OF 1ST YEAR
	21.10.2022	
DEC	19.12.2022	PROJECT WORK REVIEW III
	22.12.2022	LAST DATE FOR SUBMISSION OF PROJECT\WORK REVIEW
		III PHASE 2 MARKS
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DEPARTMENT OF PHARMACY

ACADEMIC CALENDER 2021-2022

(B. PHARMACY)

EVENT	I YEAR		II Y	EAR	III Y	EAR	IV	YEAR
EVENT	SEM I	SEM II	SEM 1	SEM II	SEM 1	SEM II	SEM I	SEM II
COMMENCEMENT OF CLASSWORK	20-12- 2021	30-05-2022	18-10- 2021	21-03- 2022	06-09- 2021	03-03- 2022	06-09-2021	03-03-2022
I SPELL OF INSTRUCTION	20-12- 2021	30-05-2022	18-10- 2021	21-03- 2022	06-09- 2021	03-03- 2022	06-09-2021	03-03-2022
I MID OF EXAMINATION	14-02- 2022	26-07-2022	13-12- 2021	30-05- 2022	08-11- 2021	02-05- 2022	08-11-2021	02-05-2022
II SPELL OF INSTRUCTION	21-02- 2022	01-08-2022	20-12- 2021	06-06- 2022	15-11- 2021	16-05- 2022	15-11-2021	16-05-2022
II MID OF EXAMINATION	02-05- 2022	26-09-2022	14-02- 2022	01-08- 2022	02-02- 2022	11-07- 2022	02-02-2022	11-07-2022
PREPARATION AND PRACTICALS	09-05- 2022	03-10-2022	28-02- 2022	08-08- 2022	02-02- 2022	18-07- 2022	02-02-2022	18-07-2022
END EXAMINATIONS	16-05- 2022	10-10-2022	07-03- 2022	17-08- 2022	09-02- 2022	26-07- 2022	09-02-2022	26-07-2022

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Head of the Department

Avanthi Institute of Pharmaceutical Strengted Gunthapally (V), Abdullapurmet [1], R.R. Dist,

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in Technicial Institute of Pharmaceutical Sciences Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist.









DEPARTMENT OF PHARMACY

ACADEMIC CALENDER 2021-2022

(M PHARM I & II YEAR)

I YEAR			
SEM-I	SEM-II		
15-11-2021	21-04-2022		
15-11-2021	21-04-2022		
20-12-2021	27-06-2022		
17-01-2022	04-07-2022		
21-03-2022	29-08-2022		
28-03-2022	05-09-2022		
04-04-2022	12-09-2022		
	SEM-I 15-11-2021 15-11-2021 20-12-2021 17-01-2022 21-03-2022 28-03-2022		

DESCRIPTION	II YEAR
IS	EM
COMMENCEMENT OF I SEM CLASSWORK	09-11-2021
IST SPELL OF INSTRUCTIONS	09-11-2021
PROJECT WORK REVIEW- 1	06-12-2021
LAST DATE FFOR SUBMISSION OF PRC-1	14-12-2021
I MID OF EXAMINATIONS	03-01-2022
II SPELL OF INSTRUCTIONS	17-01-2022
II MID OF EXAMINATION	14-03-2022
PREPARATION AND PRACTICALS	21-03-2022
END EXAMINATIONS	28-03-2022

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DESCRIPTION	II YEAR				
II SEM					
COMMMENCEMENT OF II SEMESTER	11-04-2022				
PROJECT WORK REVIEW-II(PHASE-I)	11-04-2022				
PROJECT WORK REVIEW-II (PHASE-II)	05-05-2022				
LAST DATE FOR SUBMISSION OF PRC-II	11-05-2022				
PROJECT WORK REVIEW-III (PHASE-I)	12-09-2022				
LAST DATE FOR SUBMISSION OF PROJECT WORK REVIEW-III	24-09-2022				
DATE OPF ELIGIBITY OF THESIS SUBMISSION	24-09-2022				
SUBMISSION OF THESIS AND PROJECT VIVA VOCE EXAMINATION (PRC-III PHASE-I)	10-12-2022				
PROJECT WORK REVIEW-III (PHASE-II)	19-12-2022				
LAST DATE FOR SUBMISSION OF PROJECT WORK REVIEW-III (PHASE-II)	22-12-2022				
SUBMISSION OF THESIS AND PROJECT VIVA VOCE EXAMINATION (PHASE-II)	15-01-2023				

M.R.Kin Head of the Department **B PHARMACY**

Avanthi Institute of Pharmaceutical Sciences

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Avanthi's Institute of Pharmaceutical Science Gunthapally (V), Hayath Nagar (M),

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DEPARTMENT OF PHARMACY PRACTICE

ACADEMIC CALENDER 2021-2022

(PHARM. D I YEAR - V YEAR)

DESCRIPTION	I YEAR	II YEAR	III YEAR	IV YEAR	V YEAR
COMMENCEMENT OF CLASSWORK	09-12-	18-10-	09-08-	09-08-	09-08-
	2021	2021	2021	2021	2021
I SPELL OF INSTRUCTION	09-12-	18-10-	09-08-	09-08-	09-08-
	2021	2021	2021	2021	2021
I MID OF EXAMINATION	10-03-	17-01-	08-11-	08-11-	08-11-
	2022	2022	2021	2021	2021
II SPELL OF INSTRUCTION	17-03-	24-01-	15-11-	15-11-	15-11-
	2022	2022	2021	2021	2021
II MID OF EXAMINATION	09-06-	18-04-	14-02-	14-02-	14-02-
	2022	2022	2022	2022	2022
III SPELL OF INSTRUCTION	16-06-	26-04-	21-02-	21-02-	21-02-
	2022	2022	2022	2022	2022
III MID OF EXAMINATION	08-09-	25-07-	16-05-	16-05-	16-05-
	2022	2022	2022	2022	2022
PREPARATION AND	15-09-	01-08-	23-05-	23-05-	23-05-
PRACTICALS	2022	2022	2022	2022	2022
END EXAMINATIONS	29-09-	16-08-	06-06-	06-06-	06-06-
	2022	2022	2022	2022	2022

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PHARM D VI YEAR

S.NO	DESCRIPTION	VI YEAR
1	COMMENCEMENT OF INTERNSHIP IN GENERAL WARD	09-08-2021
2	REPORT SUBMISSION OF INTERNSHIP IN GENERAL WARD	07-02-2022
3	COMMMENCEMENT OF INTERNSHIP IN SPECIALITY WARD-1	08-02-2022
4	REPORT SUBMISSION OF INTERNSHIP IN SPECIALITY WARD -1	09-04-2022
5	COMMENCEMENT OF INTERNSHIP IN SPECIALITY WARD-2	11-04-2022
6	REPORT SUBMISSION OF INTERNSHIP IN SPECIALITY WARD -2	11-06-2022
7	COMMENCEMENT OF INTERNSHIP IN SPECIALITY WARD-3	13-06-2022
8	REPORT SUBMISSION OF INTERNSHIP IN SPECIALITY WARD -3	13-08-2022
9	FINAL VIVA OF INTERNSHIP	17-08-2022

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Head of the Department

PHARM-D

Avanthi Institute of Pharmaceutical Sciences Gunthapally (V), Abdullapurmet (M), R.R. Dist.

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PHARM D WORK LOAD 2021-2022

S.No	Name of the faculty	Subjects	Class	No of periods	Total Workload	signature	
1	MD.ABDUL AZEEM	M.BIO	I YR	7	14		
		CP	IV YR	7			
		HAP	I YR	7			
2	Dr. P. SWATHI PATEL	CP	II YR	3	17		
_	5	CT	IV YR	3] ''		
		CR	V YR	4			
		HP	IV YR	6			
3	Dr. RAVI NAYAK	PJ	III YR	2	16		
	Di. KITTIMITAK	P.MICRO	II YR	7			
		CLERKSHIP	V YR	1			
	De EMMANITEI	P.THER-II	III YR	7			
4	Dr. EMMANUEL EVANGILEEN	P.THER-I	II YR	7	18		
		EPIDEMOLOGY	V YR	4			
	Dr. V. ANUDEEP	PATHO	II YR	4			
5		Dr. V. ANUDEEP	P.THRER-III	IV YR	7	21	
		CP&PTDM	V YR	3			
		PA	III YR	7			
		POC	I YR	7			
6	U. RISHIKA	MC	III YR	7	21		
		BPPK	IV YR	7			
		P.COL-I	II YR	7			
7	De VIEEMA	PIC	I YR	6	16		
	Dr. K LEEMA	BSRM	IV YR	3	10		
		P.CEUT	I YR	6			
8	I. SWATHI	PF	III YR	6	20		
		P.CEU	II-II(A,B) B.PHARM	8			
		PF	III YR	6			
9	P.V PAVAN KUMAR	P.COG&PHYTO	II YR	7	19		
		P.CEUT	I YR	6			

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S.No	Name of the faculty	Subjects	Class	No of periods	Total Workload	signature
10	Dr. P.SRILATHA	PF	III YR	6	19	
	DI. 1.SKILATITA	P.COG&PHYTO	II YR	7	17	
		P.CEU	I YR	6		



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Avanthi's Institutes of the and aceutical Sciences Gunthapally 121 FGB rh Nagar (M),

Ranga Reddy Dist.







A.Y 2021-22 TIME TABLE

PHARM.D VI YEAR

W.E.F: 09.08.2021 COLLEGE TIMINGS:9:30AM-3:50PM

DAY	9.30AM- 10.20AM	10.20AM- 11.10AM	11.10AM- 12.00PM	12.00AM- 12.50PM	12.50P M- 1.20P M	1.20P.M- 2.10PM	2.10PM- 3.00PM	3.00PM- 3.50PM
MON	CARDIOLOGY	NEPHROLOGY	NEUROLOGY	UROLOGY	L	CRITICAL CARE	PULMONORY	CASE PRESENTATION
TUE	PULMONORY	CRITICAL CARE	UROLOGY	NEPHROLOGY	U	NEUROLOGY	CARDIOLOGY	CASE PRESENTATION
WED	CRITICAL CARE	PULMONORY	NEPHROLOGY	CARDIOLOGY	N	UROLOGY	NEUROLOGY	CASE PRESENTATION
THU	UROLOGY	NEUROLOGY	PULMONORY	CRITICAL CARE	С	NEPHROLOGY	CARDIOLOGY	CASE PRESENTATION
FRI	NEUROLOGY	CRITICAL CARE	UROLOGY	PULMONORY	Н	CARDIOLOGY	NEPHROLOG Y	CASE PRESENTATION
SAT	CARDIOLOG Y	NEPHROLOGY	CRITICAL CARE	UROLOGY		PULMONORY	NEUROLOGY	CASE PRESENTATION

Monday	Dr. Evangileen/Dr. Ravinayak	Assistant Professor/ Assistant Professor
Tuesday	Dr. V. Anudeep/Dr. K. Leema	Assistant Professor/ Assistant Professor
Wednesday	Dr. Ravi nayak/V. Anudeep	Assistant Professor/ Assistant Professor
Thursday	Dr. Evangileen/Dr. Ravinayak	Associate Professor
Friday	Dr. MD. Abdul Azeem/ Dr. K. Leema	Assistant Professor/ Assistant Professor
Saturday	Dr. V. Anudeep/Dr. K. Leema	Assistant Professor/ Assistant

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A.Y 2021-22 TIME TABLE

PHARM.D V YEAR W.E.F: 09.08.2021 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	CR SEMINAR			U	CPK&PDM	P&PE	TEST
WED	HOSPITALVISIT			N	HOSPITALVISIT			
THU	CPK&PDM	CR	P&PE	CLERKSHIP	С	HOSPITALVISIT		
FRI	HOSPITALVISIT			Н		HOSPITALVIS	SIT	
							HOSPITALVIS	SIT
SAT		HOSPITALVISIT						

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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A.Y 2021-22 TIME TABLE

PHARM.D IV YEAR

W.E.F: 09.08.2021

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)	СТ
WED	P.THER- III	SEMINAR			N	HOSPITALVISIT(P.THER-III)		
THU	P.THER- III	HP	HP	СР	С	LIBR	ARY/SPORTS	
FRI	CP(T)	HOSPITALVISIT			Н		HOSPITALVIS	TT
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	MD. Abdul Azeem	Associate Professor
Biostatistics and Research methodology	Dr. K. Leema/k. Vimala	Assistant Professor
Biopharmaceutics and pharmacokinetics	U. Rishika	Assistant Professor
Clinical toxicology	Dr. P. Swathi	Assistant Professor
Pharmacotherapeutics-III Lab	Dr. V. Anudeep	Assistant Professor
Hospital pharmacy Lab	Dr. Ravinayak	Assistant Professor
Clinical pharmacy Lab	MD. Abdul Azeem	Associate Professor
Biopharmaceutics and pharmacokinetics Lab	I. Swathi	Assistant Professor

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A.Y 2021-22 TIME TABL

PHARM.D III YEAR

W.E.F: 09.08.2021

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

TUE	1	M.C LAB	C LAB P.THERII		U	P.F	P.THER.	P.COL-II
						(T)	-II	
WED		P.F LAB		P.THERII		M.C (T)	P.COL-II	P.A
пни	P.A	P.F		P. THERII LAB (HOSPITALVIST)		P.THEI	RII LAB(H	OSPITALVISIT)
FRI	Ρ.	COL-II LAE	м.с		Н	LA	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. K. Leema	Assistant Professor
Pharmaceutical Analysis	Dr. V. Anudeep	Assistant Professor
Pharmacotherapeutics-II	Dr. Evangileen	Assistant Professor
Pharmaceutical Jurisprudence	Dr. Ravinayak	Assistant Professor
Medicinal Chemistry	U. Rishika	Assistant Professor
Pharmaceutical Formulations	P. Srilatha /P.V.Pavan kumar	Assistant Professor/
		Assistant Professor
Pharmacology-II	Dr. K. Leema	Assistant Professor
Pharmaceutical Analysis-Lab	Dr. V. Anudeep	Assistant Professor
Pharmacotherapeutics-II-Lab	Dr. Evangileen	Assistant Professor
Medicinal Chemistry-Lab	U. Rishika	Assistant Professor
Pharmaceutical Formulations-Lab	P. Srilatha /P.V.Pavan kumar	Assistant Professor/
		Assistant Professor

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A.Y 2021-22 TIME TABLE

PHARM.D II YEAR

W.E.F: 11.10.2021 COLLEGE TIMINGS:9:30AM3:50PM

FRI	CP MICRO (BS)	P.THERI	P.THERILAB(HOS		Н		SEMINARS LAB (HOSPI	TAL VISIT
		P.PHY	P.THER-I(T)	P.COL-I(T)	1			
THU	P.COL-I	LIBRARY	P.COG&PHYTO	P.COG& PHYTO	С	P.CO	G&РНҮТО.	
WED	P.PHY.	MICRO	P.COL-I	MICRO	N		MICRO	
TUE	P.THERI	MICRO	P.PHY	LIBRARY	U	SEMIN	ARS	СР
MON	P.COL-1	СР	P.PHY.	P.THERI	L	LIBRARY/S	PORTS	
DAYS	9,30AM- 10.20AM	10.20AM- 11.10AM	11.10AM- 12.00PM	12.00AM- 12.50PM	12.5PM- 1.20PM	1.20P.M- 2.10PM	2.10P M- 3.00P M	3.00PM 3.50PM

Subject Name	Faculty Name	Designation
Pathophysiology	Dr. V. Anudeep	Assistant Professor
Pharmaceutical Microbiology	Dr. Ravinayak	Assistant Professor
Pharmacognosy & Phytopharmaceuticals	P.V. Pavan kumar	Assistant Professor
Pharmacology-I	Dr. K. Leema	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. Pavan kumar	Assistant Professor
Pharmacotherapeutics-I-Lab	Dr. Evangileen	Assistant Professor

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A.Y 2021-22 TIME TABLE

PHARM.D I YEAR

W.E.F: 09.12.2021

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	B.CHEM.	НАР	POC	P.CEU (T)	L		PIC	
TUE	PIC	RM	POC (T)	TEST	U	LIBR	ARY/SPORT	S
WED	НАР	POC	B.CHEM.	PIC (T)	N		POC	
THU	POC	RM/RB	P. CEU	PIC	С		HAP	
FRI	B.CHEM.	RM/RB	P. CEU	B. CHEM.	н		B.CHEM.	
SAT	НАР	RM/RB	TEST	HAP (T)			P.CEU.	

Subject name	Faculty name	Designation
Human Anatomy And Physiology	Dr. P. Swathi	Assistant Professor
Pharmaceutics	I. Swathi /P.V. Pavan kumar	Assistant Professor
Medicinal Biochemistry	Dr. MD. Abdul Azeem	Associate Professor
Pharmaceutical Organic Chemistry	U. Rishika	Assistant Professor
Pharmaceutical Inorganic Chemistry	Dr. K.Leema	Assistant Professor
Remedial Mathematics/ Biology	K. Vimala	Assistant Professor
Human Anatomy And Physiology Lab	Dr. P. Swathi	Assistant Professor
Pharmaceutics Lab	I. Swathi /P.V. Pavan kumar	
Medicinal Biochemistry Lab	Dr. MD. Abdul Azeem	Associate Professor
Pharmaceutical Organic Chemistry Lab	U. Rishika	Assistant Professor
narmaceutical organic Chemistry-Lab Dr. K.Leema		Assistant Professor

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Avanthi's Institute of Pharmaceutical Sciences

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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.
- 2.2 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.

S.No.	Broad Course Classification	Course Group/ Category	Course Description
		PC- Professional Core	Includes subjects related to the Specialization in Pharmacy
1	Core Courses (CoC)	Dissertation Mini Project/ Seminar	M.Pharm. Project or PG Project or Major Project Mini Project/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
3	(EIE) Mandatory Courses	OE - Open Electives	Elective subjects which include inter-disciplinary subjects or subjects in an area outside the Specialization in Pharmacy 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.
- 4.2 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.

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Ranga Reddy Dist.

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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.
- 6.2 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.
- 6.3 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
- 6.5 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.

- 6.7 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.
- 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:

 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.

- 7.3 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.

- 7.5 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.



The Dissertation Work Review - III in II Year II Sem, carries 100 internal marks. Evaluation should be 7.14 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

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 - 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 I).
- 7.17 After approval from the DRC, a soft copy of the thesis should be submitted for ANTI-PLAGIARISM 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.

The thesis shall be adjudicated by an external examiner selected by the University. For this, the 7.19



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
- 8.3 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.

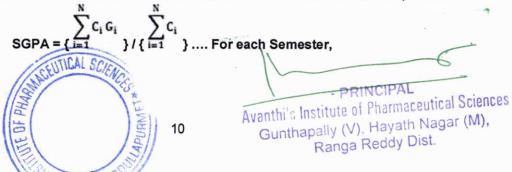
- 9.0 Examinations and Assessment The Grading System
- 9.1 Grades will be awarded to indicate the performance of each student in each Theory Subject, or Lab/Practicals, or Mini Project with Seminar, Dissertation, etc., based on the percentage of marks obtained in CIE + SEE (Continuous Internal Evaluation + 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:

% of Marks Secured in a Subject/Course (Class Intervals)	Letter Grade (PCI 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%	B (Good)	8
60 and less than 70%	C (Fair)	7
50 and less than 60%	D (Average)	6
Below 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 (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





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 i^{th} Subject, and G_i represents the Grade Points (GP) corresponding to the Letter Grade awarded for that i^{th} 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

$$\sum_{j=1}^{M} C_{j} G_{j} \sum_{j=1}^{M} C_{j}$$
CGPA = $\{i=1, \dots, i=1, \dots$

(ie., upto and inclusive of S Semesters, S ≥ 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), $^{\mathbb{C}_{j}}$ is the no. of Credits allotted to the j^{th} Subject, and $^{\mathbb{G}_{j}}$ represents the Grade Points (GP) corresponding to the Letter Grade awarded for that j^{th} 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	9	4 x 9 = 36
Course 2	4	0	10	4 x 10 = 40
Course 3	4	С	7	4 x 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
	Total Credits = 21			Total Credit Point = 179

SGPA = 179/21 = 8.52

Illustration of calculation of CGPA

Course/Subject	Credits	Letter Grade	Grade Points	Credit Points
		l Year I Semester	,	
Course 1	4	Α	9	4 x 9 = 36
Course 2	4	Α	9	4 x 9 = 36
Course 3	4	В	8	4 x 8 = 32
Course 4	ADJENION .	0	10	3 x 10 = 30
Course 5	CAL SWEALES*	В	8	3 x 8 = 24

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Course 6	3	D	6	3 x 6 = 18
		Year II Semeste	r	
Course 7	4	В	8	4 x 8 = 32
Course 8	4	0	10	4 x 10 = 40
Course 9	4	Α	9	4 x 9 = 36
Course 10	3	D	6	3 x 6 = 18
Course 11	3	С	7	3 x 7 = 21
Course 12	3	Α	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.(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 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).	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 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
	and the particular lands	against him.
4.	Smuggles in the Answer book or additional sheet or takes out or arranges to send out the	against him. Expulsion from the examination hall and



	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 examination.	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.
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 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
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	0	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 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

- 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

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Avanthi's Institute of Pharmaceutical Sciences

Gunthapally (V), Hayath Nagar (M),

Ranga Reddy Dist.



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)

1.0 Under-Graduate Degree Programme in Pharmacy

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 2022-23.

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 209 credits and each student shall secure 209 credits (with CGPA ≥ 6) required for the completion of the under graduate programme and award of the B.Pharm. degree.

3.2 UGC/ PCI 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 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/ 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 (ElC) OE – Open Electives		Includes elective subjects related to inter- disciplinary areas of Pharmacy or other than Pharmacy	
6	9	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)	-	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.

4.5 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

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- the course structure, only the first mentioned subject/ course in that category will be taken into consideration.
- 4.6 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.
- 4.7 Open Electives: Students have to choose one open elective (OE-I) in III year I semester, one (OE-II) 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.
- 5.2 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 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 Courses (Lectures/Laboratories/Seminar/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 80%. 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 80% (excluding attendance in mandatory courses like Environmental Sciences, Human Values and Professional Ethics, Gender Sensitization Laboratory, NCC/NSO, NSS and Industrial Training) for that semester.
- 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 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,

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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 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	Conditions to be fulfilled
1	First year to second year	Regular course of study of first year.
2	Second year to third year	 (i) Regular course of study of second year. (ii) Must have passed all the subjects/ courses up to I Year II Semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
3	Third year to fourth year	(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 given will not be altered.

- 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 -7.4 above.
- 7.6 A student eligible to appear in the end semester examination for any subject/ course, but absent 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.
- 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 unfulfillment of promotion rules, shall be promoted to the next academic year only after fulfilling the promotion rules. The academic regulations under which student has been readmitted shall be applicable to him.
- The SGPA will be computed and printed on the marks memo only if the candidate passes in Note: (1) all the subjects offered and gets minimum 'D' grade in all the subjects.
 - CGPA is calculated only when the candidate passes in all the subjects offered in all the (2)semesters.

8.0 Evaluation - Distribution and Weightage of marks

- 8.1 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).
- 8.2 In CIE, for theory subjects, during a semester, there shall be two mid-term examinations. Each Mid-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 CIE. CIE.

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- 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 sub-questions 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.
- 8.3 For practical subjects there shall be a Continuous Internal Evaluation (CIE) during the semester for 15 marks and 35 marks for semester end examination. Out of the 15 marks for internal evaluation:
 - 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.
 - Internal practical examination conducted by the laboratory teacher concerned shall be evaluated for 5 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 35 marks are divided and allocated as shown below:

- 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 be awarded.

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8.6 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 - 20 Marks

- 15 Marks

Methodology adopted

- 20 Marks

Results and Discussions

Conclusions and Outcomes

- 20 Marks

Total

- 75 Marks

Evaluation of Presentation (External Evaluation):

Presentation of work

- 25 Marks

Communication skills

- 20 Marks

Viva-Voce

- 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. 50% of the marks allotted) in the continuous internal evaluation for passing the subject/course.
- 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 / 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/ 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 (Outstanding)	10
80 and less than 90%	A (Excellent)	9
70 and less than 80%	B (Good)	8
60 and less than 70%	C (Fair)	7

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50 and less than 60%	D (Average)	6
Below 50%	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.

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

- 9.7 The student passes the subject/ course only when GP ≥ 6 ('D' 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 =
$$\{\sum_{i=1}^{N} C_i G_i\}/\{\sum_{i=1}^{N} C_i\}....$$
 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 ith 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 =
$$\{\sum_{i=1}^{M} C_i G_i\} / \{\sum_{i=1}^{M} C_i\} ...$$
 for all S semesters registered

(i.e., up to and inclusive of S semesters, S ≥ 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	Α	9	4 x 9 = 36
Course 2	4 WOTE	0	10	4 x 10 = 40

Course 3	4	С	7	4 x 7 = 28
Course 4	3	В	8	$3 \times 8 = 24$
Course 5	3	Α	10	3 x 10 = 30
Course 6	3	С	7	3 x 7 = 21
	Total Credits = 21			Total Credit Points = 179

SGPA = 179/21 = 8.52

Illustration of calculation of CGPA

Course/Subject	Credits	Letter Grade	Grade Points	Credit Points
		l Year I Semester	r	
Course 1	4	Α	9	4 x 9 = 36
Course 2	4	Α	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
		l Year II Semeste	r	
Course 7	4	В	8	4 x 8 = 32
Course 8	4	0	10	4 x 10 = 40
Course 9	4	Α	9	4 x 9 = 36
Course 10	3	D	6	3 x 6 = 18
Course 11	3	С	7	3 x 7 = 21
Course 12	3	Α	9	3 x 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 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

- 10.1 A student shall be declared successful or 'passed' in a semester, if student secures a GP ≥ 6 ('D' 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 ≥ 6.00 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

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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 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) ≥ 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:

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 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

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- 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 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.

B. For students detained due to shortage of credits:

3. 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 onwards.

See rule (C) for further Transitory Regulations.

C. For readmitted students in R22 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 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

- 15.1 There shall be no transfers from one college 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.
- 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.

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- 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.

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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.

- 2. The student shall register for 153 credits and secure 153 credits with CGPA ≥ 6.00 from II year to IV year B.Pharm. programme (LES) for the award of B.Pharm. degree.
- 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 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/ courses up to II Year II Semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.

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.	

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(b)	Gives assistance or guidance or receives it from any other student orally or by any other body language methods or communicates through cell phones with any student 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 students involved. In case 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 of the examination (theory or practical) in which the student is appearing.	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 to appear for the remaining examinations of the subjects of that semester/year. 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.
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	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

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his relations, or indudiges 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. Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the student has already appeared including reactical examinations. Use misconduct or any part thereof inside or outside the examination hall. Possess any lethal weapon or firearm in the examination hall. Possess any lethal weapon or firearm in the examination hall. Possess any lethal weapon or firearm in the examination hall. 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. Expulsion from the examination hall and cancellation of 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 examination of the performance in that subject and all other subjects the student has already appeared including practical examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations of the subjects of that semester/year. The student is also debarred and forf		by words, either spoken or written or by signs or by visible representation, assaults the officer-in-charge, or any person on duty	handed over to the police and a police case is registered against them.
The student of the college, who is not a student for the perficular examination hall. If student of the college, who is not a student for the permitted for the remaining examination hall. If student of the college, who is not a student for the permitted for the remaining examination hall. If student of the college, who is not a student for the permitted for the companions 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. 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 examination of the subjects of that semester/year. The student is also debarred and forfeits the seat. Student of the college expulsion from the examination hall and cancellation of the performance in that subject and all other subjects of that semester/year. The student is also debarred for the remaining 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. 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. Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.		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	
Possess any lethal weapon or firearm in the examination hall. 8. Possess any lethal weapon or firearm in the examination hall. 8. 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. 10. Comes in a drunken condition to the examination hall. 11. Comes in a drunken condition to the examination hall. 12. Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny. 13. If any malpractice is detected which is not	7.	script or intentionally tears of the script or any part thereof inside or outside the	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
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10. Comes in a drunken condition to the examination hall. 11. Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny. 12. If any malpractice is detected which is not 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. 13. Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny. 14. If any malpractice is detected which is not		9	handed over to police and, a police case will be
11. evidence, such as, during valuation or during special scrutiny. all other subjects the student has appeared including practical examinations and UG major project of that semester/year examinations.	10.		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
	11.	evidence, such as, during valuation or during special scrutiny.	all other subjects the student has appeared including practical examinations and UG major project of that
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be reported to the university for further
on to award suitable punishment.

Malpractices identified by squad or special invigilators

- Punishments to the students as per the above guidelines. 1.
- 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.

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Ranga Reddy Dist.



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)

Under-Graduate Degree Programme in Pharmacy 1.0

JNTUH offers a 4-year (8 semesters) Bachelor of Pharmacy (B.Pharm.) degree 1.1 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 ≥ 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

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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			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 (ElC) OE – Open Electives		Includes elective subjects related to inter- disciplinary areas of Pharmacy or other than Pharmacy	
6	G G	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)		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.
- 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 to be fulfilled		
1	First year first semester to first	Regular course of study of first year		
	year second semester	first semester.		



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2	First year second semester to second year first semester	(i) Regular course of study of first year second semester.
		(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
		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
	9	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
		to third year second semester from all
		the relevant regular and supplementary
		examinations, whether the student takes
		those examinations or not.
7	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

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- 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.
- 7.6 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

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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 sub-questions 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 $\geq 65\%$ 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	



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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.

Credit points (CP) = grade point (GP) x credits For a 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 (SCP) 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), Ci 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 = $\{\sum_{i=1}^{M} C_i G_i\} / \{\sum_{i=1}^{M} C_i\} \dots$ for all S semesters registered



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(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	$3 \times 5 = 15$
	Total Credits			Total Credit
	= 21			Points $= 152$

SGPA = 152/21 = 7.24

Illustration of calculation of CGPA

Course/Subject	Credits	Letter Grade	Grade Points	Credit Points			
	I Year I Semester						
Course 1	4	A	8	4 x 8 = 32			
Course 2	4	A+	9	4 x 9 = 36			
Course 3	4	В	6	4 x 6 = 24			
Course 4	3	0	10	3 x 10 = 30			
Course 5	3	B+	7	$3 \times 7 = 21$			
Course 6	3	A	8	$3 \times 8 = 24$			
	I Year II Semester						
Course 7	4	B+	7	$4 \times 7 = 28$			
Course 8	4	0	10	4 x 10 = 40			
Course 9	4	A	8	4 x 8 = 32			
Course 10	3	В	6	$3 \times 6 = 18$			
Course 11	3	C	5	3 x 5 = 15			
Course 12	3	A+	9	$3 \times 9 = 27$			
	Total Credits = 42			Total Credit Points = 327			

CGPA = 327/42 = 7.79



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- 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) ≥ 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 \geq 8.00, at the end of each of the 8 sequential semesters, starting from first year first semester onwards.

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- (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:

- 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



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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.



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- 16.0 Scope
- 16.1 The academic regulations should be read as a whole, for the purpose of any interpretation.
- In case of any doubt or ambiguity in the interpretation of the above rules, the decision of 16.2 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.
- The students, who fail to fulfil the requirement for the award of the degree in six 3. academic years from the year of admission, shall forfeit their seat in B.Pharm.
- The attendance requirements of B. Pharm. (Regular) shall be applicable to B.Pharm. 4. (LES).

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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

:1	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

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	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.	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 to appear for the remaining examinations of the subjects of that semester/year. 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.

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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
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	any person not connected with the college 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.



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

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:

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- 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
	0	PC- Professional Core	Includes subjects related to the Specialization in Pharmacy
1	Core Courses (CoC)	Dissertation Mini Project with Seminar	Specialization in Pharmacy
2	Elective Courses	PE - Professional Electives OE - Open	Includes elective subjects related to the Specialization in Pharmacy Elective subjects which include inter-disciplinary
3	Mandatory Courses	Electives	subjects or subjects in an area outside the Specialization in Pharmacy 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.
- 4.2 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 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.
- 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 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 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.

- 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.
- 6.2 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.

- 7.1 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.
- 7.8 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 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).



- 7.15 After approval from the DRC, a soft copy of the thesis should be submitted for ANTI-PLAGIARISM 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.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 6.6.



- 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
- 8.3 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%	A⁺(Excellent)	9
(≥80%, <90%)		
Below 80% but not less than 70%	A (Very Good)	8
(≥70%, <80%)		
Below 70% but not less than 60%	B⁺ (Good)	7
(≥60%, <70%)		
Below 60% but not less than 50%	B (above Average)	6
(≥ 50%, <60%)		1.0
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'.

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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

$$SGPA = \left\{ \sum_{i=1}^{N} C_i G_i \right\} / \left\{ \sum_{i=1}^{N} C_i \right\}$$
 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

$$\sum_{\text{CGPA} = \{\ j=1}^{M} c_{j} \ G_{j} \ \sum_{j=1}^{M} c_{j} \\ \text{$\}$ / {\{\ j=1}\}$ } ... \text{ for all S Semesters registered}$$

(ie., upto and inclusive of S Semesters, S ≥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	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
TILLIA	21	1,		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.

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- 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 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).	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 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	against him. Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already

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	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.
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 examination.	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.
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 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
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		remaining examinations of the subjects of that
		semester/year. The candidate is also debarred and forfeits the seat.
	If abudent of the college who is not a	
9.	If student of the college, who is not a	Student of the colleges expulsion from the
	candidate for the particular examination or	examination hall and cancellation of the
	any person not connected with the college	performance in that subject and all other subjects
	indulges in any malpractice or improper	the candidate has already appeared including
	conduct mentioned in clause 6 to 8.	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	and all other subjects the candidate has
	special scrutiny.	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

- PRINCIPAL

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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 सिन्हा कार्यपालक निदेशक

[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 13th 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	_	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.
- 9. 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	Maximu	Maximum marks for Theory			Maximum marks for Practicals		
		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	30	100	
1.3	Medicinal Biochemistry	70	30	100	70	30	100	
1.4	Pharmaceutical Organic 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*	
				600			600 = 1200	

^{*} for Biology.

Second Year examination:

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
2.1	Pathophysiology	70	30	100	-	-	-
2.2	Pharmaceutical Microbiology	70	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	30	100	-	-	-
2.6	Pharmacotherapeutics-I	70	30	100	70	30	100
	•			600			300 = 900

Third Year examination:

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total
3.1	Pharmacology-II	70	30	100	70	30	100
3.2	Pharmaceutical Analysis	70	30	100	70	30	100
3.3	Pharmacotherapeutics-II	70	30	100	70	30	100
3.4	Pharmaceutical Jurisprudence	70	30	100	-	-	-
3.5	Medicinal Chemistry	70	30	100	70	30	100
3.6	Pharmaceutical Formulations	70	30	100	70	30	100
				600			500 = 1100

Fourth Year examination :

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
	•	Examination	Sessional	Total	Examination	Sessional	Total
4.1	Pharmacotherapeutics-III	70	30	100	70	30	100
4.2	Hospital Pharmacy	70	30	100	70	30	100
4.3	Clinical Pharmacy	70	30	100	70	30	100
4.4	Biostatistics & Research Methodology	70	30	100	-	-	8=
4.5	Biopharmaceutics & Pharmacokinetics	70	30	100	70	30	100
4.6	Clinical Toxicology	70	30	100	-	-	-
				600			400 = 1000

Fifth Year examination:

S.No.	Name of Subject	Maximu	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	-0	-	-	
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 to 12 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) Evaluation shall be done on the following items:	Marks
a) Write up of the seminar	(7.5)
b) Presentation of work	(7.5)
c) Communication skills	(7.5)
d) Question and answer skills	(7.5)
Total	(30 marks)
(v) Final evaluation of project work shall be done on the following items:	Marks
(v) Final evaluation of project work shall be done on the following items:a) Write up of the seminar	Marks (17.5)
a) Write up of the seminar	(17.5)
a) Write up of the seminarb) Presentation of work	(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.

				AVANTE	II GROUP INSTIT	UTIONS				
				FACULTY MON	THLY PERFORM	ANCE REPORT				
Name o	of the Faculty: G. Scraft ment: phasmace: -Avanthi Insti	na					Month: De	c 2021		
Departr	ment: Masmaie	ulice	chem	is by	variable					
College	-Avanthi Insti	tote of	phasi	naceulia	Science					
		V	N .		Syllabus Detail	s				
5.No	[.] Subject Name	Year/ Semister	Classes Held in this month	Pervious month Syllabus/ Units completed	Syllabus / Units completed in this month	Syllabus / Units completed from the beginning of the semister to till this month	No. of Classes required to complete the Syllabus	No. of Tests Conducted in this month	No. of Student Phone calls made	No. of parents visited in this month
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HOD

Principal

Director

- PRINCIPAL

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

				AVANITE	HI GROUP INSTIT	TITIONS				
					THLY PERFORM					
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Depart		malysis			0					
College	Avanthi Insl	ibute.	or phon	maceutic	Syllabus Detai	encep				
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S.No	Subject Name	Year/ Semister	Classes Held in this month	Pervious month Syllabus/ Units completed	Syllabus / Units completed in this month	Syllabus / Units completed from the beginning of the semister to till this month	No. of Classes required to complete the Syllabus	No. of Tests Conducted in this month	No. of Student Phone calls made	No. of parents visited in thi month
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2	Quality controls	-								
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	Faculty			нов	MACEUTICAL	vanthi's Institut	Principal PRINCIPAL e of Pharmac	eutical Scien		Director
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				AVANTH	II GROUP INSTIT	UTIONS				
	A 1114			FACULTY MON	THLY PERFORM	ANCE REPORT				
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	ment: Phoonin. Chem.	1819	homac	Lead	science					
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į.	Faculty		ı	OF OF PHILIP	EUTICAL SCIENCE	LLI 1 E	Principal PRINCIPA ute of Pharms	inpliffical out	nces	Director
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					II GROUP INSTIT	I-COMPRISE CANADA				
Name o	of the Faculty: P. Nag	2912114		FACULTY MON	THLY PERFORM	ANCE REPORT	Month:			
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College	ment: Pharmaco	we of	phormo	centical	Sciencel Syllabus Detai)				
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Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512.

COURSE FILE

SUBJECT:

MEDICINAL CHEMISTRY

ACADEMIC YEAR:

2021-2022

NAME OF THE FACULTY:

U. RISHIKA

DESIGNATION:

ASSISTANT PROFESSOR

DEPARTMENT:

PHARMACEUTICAL CHEMISTRY

BRANCH

PHARM.D

YEAR

III YEAR



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Course File Index

S. No.	ITEM DESCRIPTION
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	MEDINAL CHEMISTRY						
COURSE CODE	PH305						
REGULATION	R8	R8 YEAR III					
COURSE	LECTURES	ECTURES TUTORIALS		PRACTICALS		CREDITS	
STRUCTURE	3	1		3		-	
COURSE TEACHER	U. RISHIKA			*************************************			
NO.OF HOURS	LECTURES		TUTO	ORIALS	PF	RACTICALS	
ALLOTED PER	3		1		3		
WEEK							



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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**

Program 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 professional health 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.



Gunthapally (V), Abdullapumer R.R. Dist. Telangana







DETAILED SYLLABUS

S. No.	Торіс					
01	Modern concept of rational drug design:					
	Modern concept of rational drug design: Introduction					
	Quantitative Structure Activity Relationship (QSAR)					
	Prodrug					
	Combinatorial chemistry					
	Computer aided drug design (CADD)					
	Concept of antisense molecules.					
02	Anti-infective agents					
	a) Local anti-infective agents					
	b) Preservatives					
	c) Antifungal agents					
	d) Urinary tract anti-infectives					
	e) Antitubercular agents					
	f) Antiviral agents and Anti AIDS agents					
	g) Antiprotozoal agents					
	h) Antihelmentics i) Antiscabies and Antipedicular agents					
03	Sulphonamides and Sulphones					
04	Antimalarials					
05	Antibiotics					
06	Antineoplastic agents					
07	Cardiovascular agents					
	a) Antihypertensive agents					
	b) Antianginal agents and vasodilators					
	c) Antiarrhythmic agents					
	d) Antihyperlipidemic agents					
	e) Coagulants and Anticoagulants					
	f) Endocrine					
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(Approved by PCI, AICTE & Affiliated to INTUH)

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08	Hypoglycemic agents
09	Thyroid and Antithyroid agents
10	Diuretics
11	Diagnostic agents
12	Steroidal Hormones and Adrenocorticoids
REFERENCES	a. Wilson and Gisvold's Text book of Organic, Medicinal and Pharmaceutical Chemistry, Lippincott-Raven Publishers-New York, Philadelphia.
	b. William.O.Foye, Principles of Medicinal Chemistry, B.I. Waverly Pvt. Ltd., New Delhi.
	c. Burgers, Medicinal Chemistry, M.E., Welly Med. Chemistry M.E. Walffed Johnwilley and Sons, Wiley-interscience Publication, New York, Toranto.
	d. A Text Book of Medicinal Chemistry Vol. I and II by Surendra N. Pandeya, S.G. Publisher, 6, Dildayal Nagar, Varanasi -10.
	e. Indian Pharmacopoeia 1985 and 1996. The Controller of Publications, Civil Lines, Delhi - 54.
	f. Current Index of Medical Specialities (CIMS) and MIMS India, MIMS, A.E. Morgan Publications (I) Pvt. Ltd, New Delhi-19.
	g. Organic Drug Synthesis-Ledniser Mitzsher Vol. I and II. h. Pharmaceutical Chemistry drug Synthesis Vol. I and II by H. J. Roth and A. Kleemann.
	i. The Science and Practice of Pharmacy Vol. 1 and 2, Remington, MACK Publishing Company, Easton, Pennsylvania.



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LECTURE PLAN

monro :	Hours	Process
TOPIC-1		
Modern concept of rational drug design:	06	
Modern concept of rational drug design: Introduction	01	Chalk & Board
Quantitative Structure Activity Relationship (QSAR)	01	Power Point Presentation
Prodrug	01	Chalk & Board
	01	Power Point Presentation
	01	Power Point Presentation
Concept of antisense molecules.	01	Chalk & Board
TOPIC-2		
	29	
	03	Power Point Presentation
	03	Chalk & Board
		Power Point Presentation
		Power Point Presentation
		Power Point Presentation
e) Antitubercular agents		Chalk & Board
f) Antiviral agents and Anti AIDS agents		Power Point Presentation
g) Antiprotozoal agents		
h) Antihelmentics		Chalk & Board
i) Antiscables and Antipedicular agents	03	Power Point Presentation
TOPIC-3		
Sulphonamides and Sulphones	03	Power Point Presentation
TOPIC-4		1
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Committed to Excellence in	Technica	PRINCIPAL PRINCIPAL PHARMACEUTICAL SCIEN Gunthapally (V), Abdullapuri R.R. Dist. Telangana
	Introduction Quantitative Structure Activity Relationship (QSAR) Prodrug Combinatorial chemistry Computer aided drug design (CADD) Concept of antisense molecules. TOPIC-2 Anti-infective agents a) Local anti-infective agents b) Preservatives c) Antifungal agents d) Urinary tract anti-infectives e) Antitubercular agents f) Antiviral agents and Anti AIDS agents g) Antiprotozoal agents h) Antihelmentics i) Antiscabies and Antipedicular agents TOPIC-3 Sulphonamides and Sulphones	Introduction Quantitative Structure Activity Relationship (QSAR) Prodrug Combinatorial chemistry Computer aided drug design (CADD) Concept of antisense molecules. TOPIC-2 Anti-infective agents a) Local anti-infective agents b) Preservatives c) Antifungal agents d) Urinary tract anti-infectives e) Antitubercular agents f) Antiviral agents and Anti AIDS agents g) Antiprotozoal agents h) Antihelmentics i) Antiscabies and Antipedicular agents TOPIC-3 Sulphonamides and Sulphones

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11	Diagnostic agents	04	Power Point Presentation
	TOPIC-1	1	1
10	Diuretics	06	Chalk & Board
	TOPIC-1	0	
09	Thyroid and Antithyroid agents	08	Chalk & Board
	TOPIC-)	
08	Hypoglycemic agents	06	Power Point Presentation
	TOPIC-	3	
	f) Endocrine	04	Power Point Presentation
	e) Coagulants and Anticoagulants	04	Power Point Presentation
	d) Antihyperlipidemic agents	04	Chalk & Board
	c) Antiarrhythmic agents	05	Power Point Presentation
	b) Antianginal agents and vasodilators	04	Chalk & Board
07	a) Antihypertensive agents	05	Power Point Presentation
07	Cardiovascular agents	26	
	TOPIC-	7	
06	Antineoplastic agents	03	Chalk & Board
	TOPIC-	5	
05	Antibiotics		1 Owel 1 olit 1 tesemator
		03	Power Point Presentation
	TOPIC-	5	
04	Antimalarials	03	Power Point Presentation

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12 Steroidal Hormones and Adrenocorticoids	04	Power Point Presentation
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

Academic Calendar 2021-22

Pharm. D (Regular) III, IV, V, VI Years and Pharm.D (PB) III Year

Pharm. D (Regular) III, IV, V Years

S. No	D	Duration			
5. 140	Description	From	To		
1	Commencement of classwork	09.08.2021			
2	1 st Spell of Instructions (including Dussehra Recess)	09.08.2021	06.11.2021 (12 Weeks)		
3	Dussehra Recess	11.10.2021	16.10.2021		
4	First Mid Term Examinations	08.11.2021	13.11.2021 (1 Week)		
5	2 nd Spell of Instructions	15.11.2021	12.02.2022 (13 Weeks)		
6	Submission of First Mid Term Exam Marks to the University on or before	20.11.2021			
7	Supplementary Examinations	22.11.2021	27.11.2021		
8	Second Mid Term Examinations	14.02.2022	19.02.2022 (1 Week)		
9	Submission of Second Mid Term Exam Marks to the University on or before	26.02.2022			
10	3 rd Spell of Instructions	21.02.2022	07.05.2022 (11 Weeks)		
11	Third Mid Term Examinations	09.05.2022	14.05.2022 (1 Week)		
12	Preparation Holidays and Practical Examinations	16.05.2022	28.05.2022 (2 Weeks)		
13	Submission of Third Mid Term Exam Marks to the University on or before	21.05.2022			
14	End / Supplementary Examinations	30.05.2022	11.06.2022 (2 Weeks)		
15	Summer vacation	13.06.2022	18.06.2022 (1 Week)		

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

S. No	Description	Duration			
S. 140	Description	From	To		
1	Commencement of internship in General ward	09.08.2021	05.02.2022 (6 Months)		
2	Report submission of internship in General ward		07.02.2022		
3	Commencement of internship in Specialty ward-1	08.02.2022	07.04.2022 (2 Months)		
4	Report submission of internship in Specialty ward-1		09.04.2022		
5	Commencement of internship in Specialty ward-2	11.04.2022	10.06.2022 (2 Months)		
6	Report submission of internship in Specialty ward-2		11.06.2022		
7	Commencement of internship in Specialty ward-3	13.06.2022	12.08.2022 (2 Months)		
8	Report submission of internship in Specialty ward-3		13.08.2022		
9	Final viva of internship	17.08.2022			



REGISTRAR

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R.R. Dist. Telangans







DEPARTMENT OF PHARMACY PRACTICE

A.Y 2021-22 TIME TABLE

PHARM.D III YEAR

W.E.F: 09/08/2021

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	P.A LAB			P.A	L	M.C	P.J	SEMINARS
TUE	M.C LAB		P.THERII	U	P.F (T)	P.THER. -II	P.COL-II	
WED	P.F LAB		P.THERII	N	M.C (T)	P.COL-II	P.A	
THU	P.A	P.F	P. THERII LAB (HOSPITALVIST)		С	P.THERII LAB(HOSPITALVISIT)		OSPITALVISIT)
FRI	P.COL-II LAB M.C		Н	P.J P.THER.II (T) P.COL-II (T)		P.COL-II (T)		
SAT	P.F	P.J	LIBRARY/SPORTS			M.C	P.COL-II	P.A(T)

CVIDIECTIVANE	ELCH ENDIANE	DEGLOVIATION		
SUBJECTNAME	FACULTYNAME	DESIGNATION		
Pharmacology-II	Dr. K. Leema	Assistant Professor		
Pharmaceutical Analysis	Dr. V. Anudeep	Assistant Professor		
Pharmacotherapeutics-II	Dr. Evangileen	Assistant Professor		
Pharmaceutical Jurisprudence	Dr. Ravinayak	Assistant Professor		
Medicinal Chemistry	U. Rishika	Assistant Professor		
Pharmaceutical Formulations	I. Swathi/ P.V Pavan Kumar	Assistant Professor/ AssistantProfessor		
Pharmaceutical Analysis-Lab	Dr. V. Anudeep	Assistant Professor		
Pharmacotherapeutics-II-Lab	Dr. Evangileen	Assistant Professor		
Medicinal Chemistry-Lab	U. Rishika	Assistant Professor		
Pharmaceutical Formulations-Lab	I. Swathi/ P.V Pavan Kumar	Assistant Professor		

HOD

PRINCIPAL

DEPARTMENT OF PHARMACY PRACTICE

PRINCIPAL INSTITUTE OF

Committed to Excellen

STITUTE OF

volnary tood and infective agents ..

- -> The sofferhior occuse to UT (usinoay track) is called (UTI) Mamily womens are more prome to UTI + 35 .1.
- 2 mostly Kidney, weles isladder, wethou effected.
- 4. Hicsocoodavisms consc (nll):-
 - 1) E. col9
 - 2) recudomenos a esassinosa
 - 3) steer to cous Recalis
 - a) stophylococcs enideoms
 - s) Padeus mirobilis.
- + Normal backesfal count in voine is (1000/me) IP it res to 1 takh then ih is considered as + UTI.

& classification of UTI:

- (i) Quimolones
- a) Non- Flushated quinolar Ex: Moligixic acid
- b) Flussnated quinologe

Ex: cipofloxacin oflo xacon Spapploxacin Galffloxacin Per Floxach Levo Floxacin

3 sulfonomide:

Sulfame tha oxogele

- @ pyofmidine dostratios To Cometho poom
- (Misceallaneas: meth enomfor nstoopurantoin

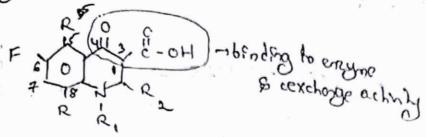
@ Antibrotice: cephiospoone

Ampicellen carbenscriin.



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6 Fluxoquinole

- OR, 2 R8 . en honce activity Engluence pharmacolkinetics
- close to gyrase (tachesial enzyre)

 If tower alkyl group tetters (H, CH3, C2H5).
- Cencial be ensine profited
- Enhance antibacterial achiefy
 - & RZIRST Enhonce achiefy

HINDING ARDULLAPURME

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Ranga Reddy Dist.

raligiexic acod

MOA: -

- resmally it is effective against gram (+ve) backers.

- Lower concentration It acts as - backeriostatic (that inhibit growth and modelier of microsogerisms)

- Al 1 conc it acts as borteriocidal (Kill the microbes)

Pagreshies:

- + cotam colas
- 4 Insable in water
- + But souble in solution of coolonates Chat, mgt, Kt)



Aventhi's Institute of Pharmaceutical Sciences Sunthapally (V), Hayath Nagar (M),

Ranga Reddy Dist.

side effects: 1) Hives 2) Rashes 3) Intense Ptching Board name :. ULIX-P UREX DIX GRAMOGEN i) cipofloxacin: 2, u dichloso, 5 Pluso Cl benayl chlosite Ta ethoxy CQ - PRINCIPAL Avanthi's Institute of Pharmaceutical Sciences Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist.

+ It works by inhibiting to no isomerouse II (9400 80) her and topo isomerouse: IV which are as nonsible for backerful strand senaration, leading to inhibition of cell division.

Proposics: -

+ right yellow in colors

+ Insuble & water, ethenal

* matically soulble in o. 1 N of No. 1+

side effets

vommeling, drawher, skin vash

Board names:

Adoflox Avolox Alcopo 110 Ben 30xa3 me

.! Smorte at

pt: 14/12/21

& OFLOXACIN :

ENCODACENE

NO2 KOH

NO2 CD-CH2-1-CH3

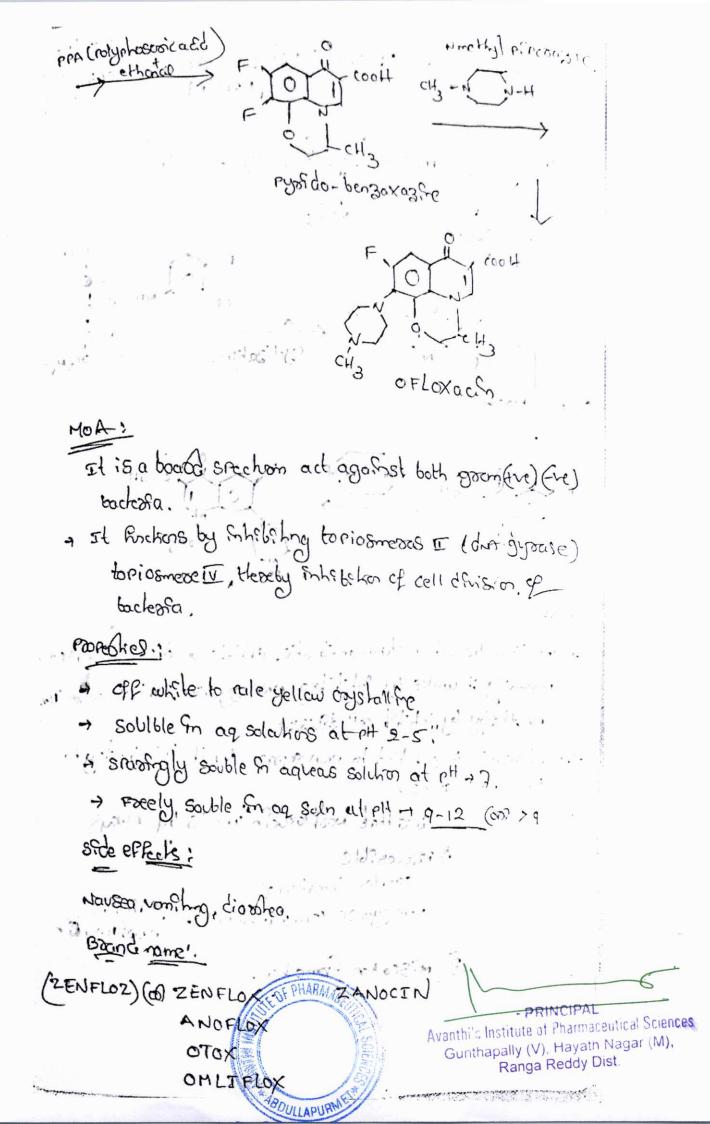
2,314 hipping without bessee. F F OH K2 co31 KI

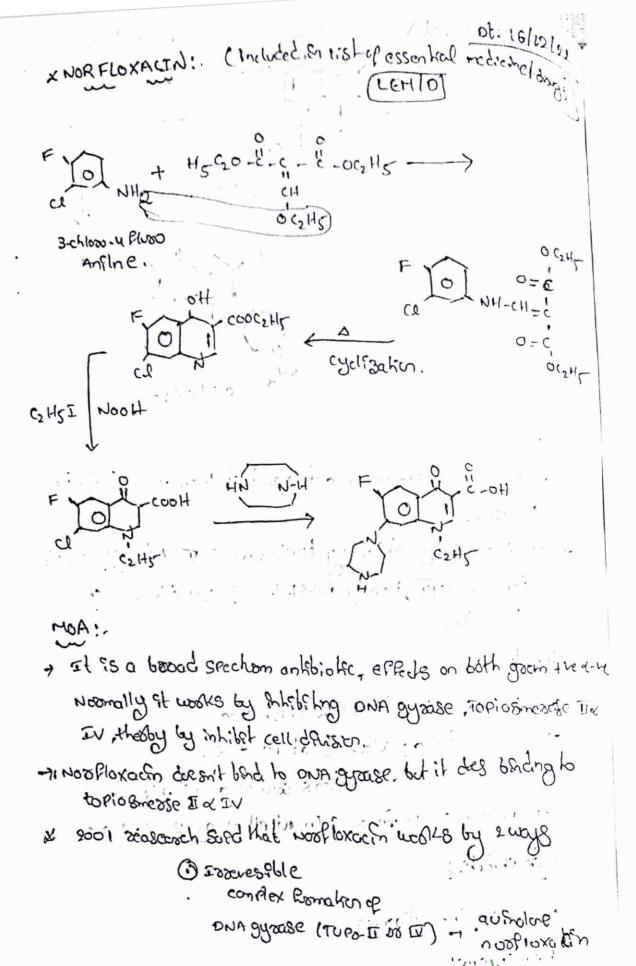
Avanthi's Institute of Pharmaceutical Sciences

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Ranga Reddy Dist.





2) misco con soman

BOULLAPURME

- PRINCIPAL

panolics:--1) white to light yellow adout 2) Insable in water, salde in chlosopiem, olycal sade effek. Nousea, vanishing, alarohea, headache, Insansna; Board names: NORPIOX ZePlox Usoplax" 3,4,5 tomethoxy defudo chromic acta OrcH=CH-COOH - conramse Phosphowus any chlorice Ranga Reddy Dist. DHER act on OHE so convert 4 THE Getter Mydoublic acil)

of phosphable + PABA

Suforantice & d' CSulfamethoxa3012)

Tomethorone - I DHEO

THE THER Thyrole

SHO SHO

SEE APURME

- PRINCIPAL

Ank-tubaricular ogerisid: pt: 20/12/2 1 TB 95 a disease caused by mycobaclesium hobosclosis 4 - cell wall is made upe of thosphoload A. B. Sweeperd symphons: enpadiche eagh Trochess Night sweat point ross of appelile to fit in a classification All consection efficacy of safety clinical oklety. (Those days high efficacy & less bxicely) F> Field defect day + (ETHAMBUTOL) ETMIE IF it Isonfaged (CINH(I) to bot winds R- Rifampicin (RMPIR) 8 + stoeptomyern (STP(S) 7-1 2 himes per day -1 Pyrazinantide (PZA/D) * All above days except pzA ace hater - "OD" (once a doy) second the days of his of the second + book of less efficacy than 1st like days. of more toxic than ist ine days. 5 > saleglate (raxa amino saliculic acid) PMS E > Eth foramide TE OF PHARMA c > cycloseame/ 0 - older dag Thea ce ha sone Avanthi's Institute of Pharmaceutical Sciences No never dougs operatores. Gunthapally (V), Hayath Nagar (M), CE POP (oxac) Ranga Reddy Dist. PULLAPURME

Leun Ploxacin

Ex: Kaxnamycin Ex: Kaxnamycin

- 3 Third line days:
- > The days included bood op its ownloady and the servations
 - @ Line 3015de (giving thesentic offect)

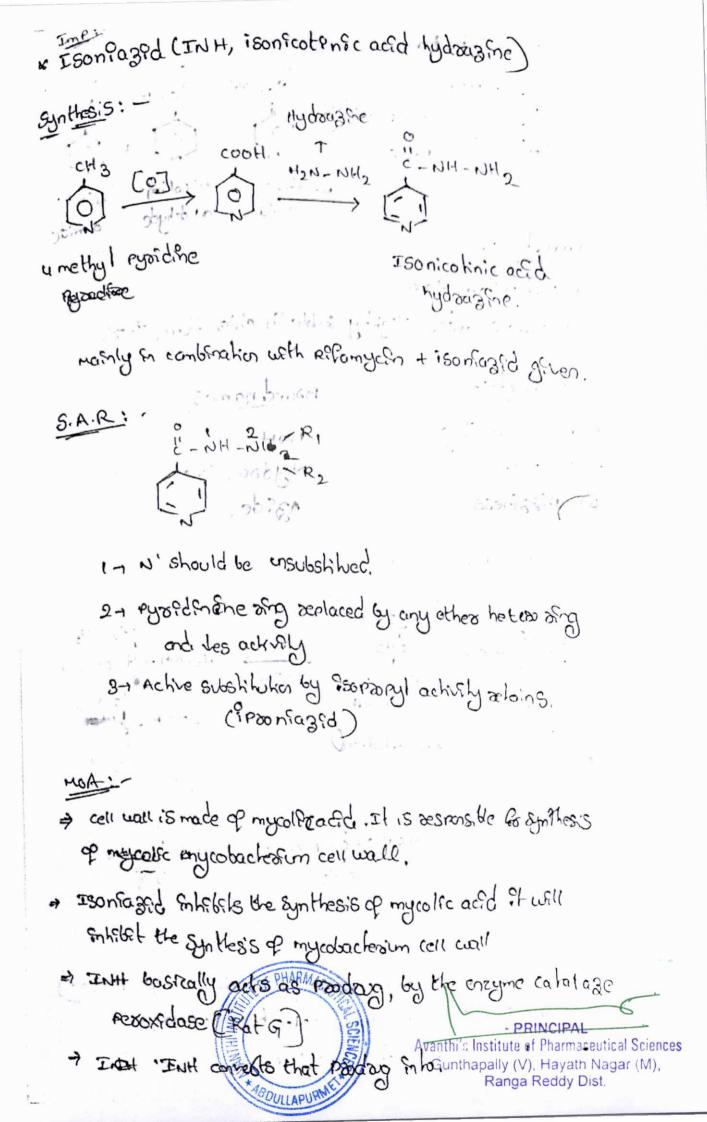
 effect not rower

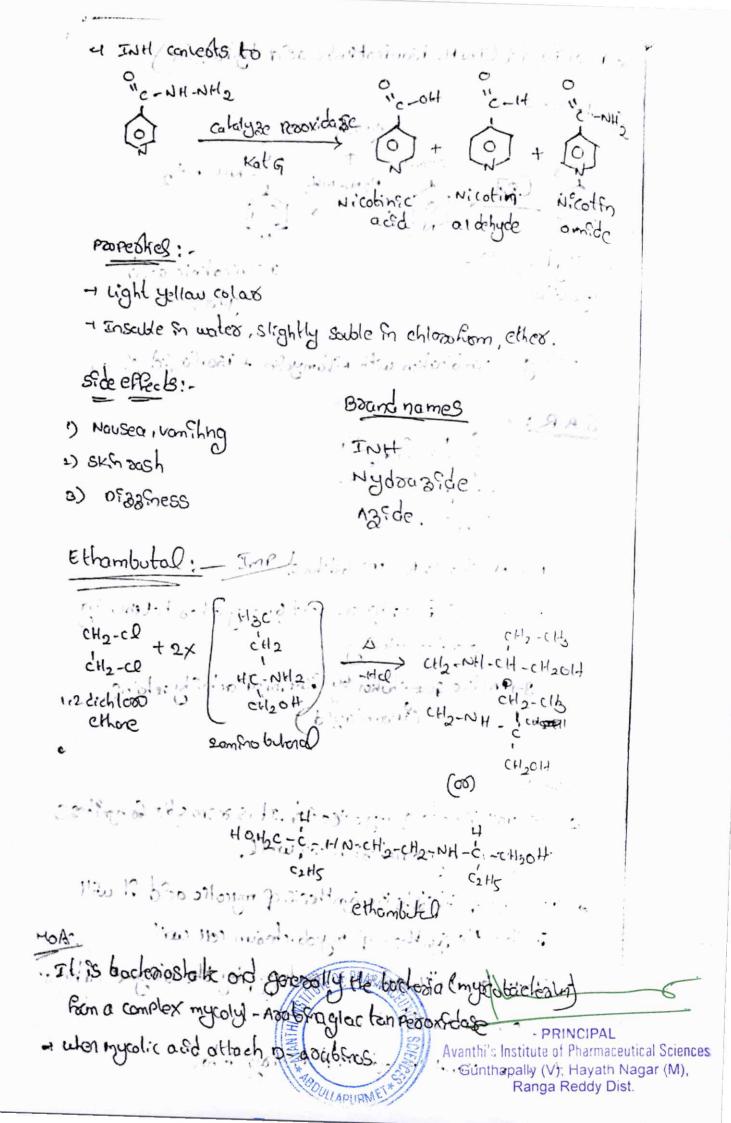
 so not listed in wito.
 - (not risted in with)

- @ salicyier and devivations ! P'AS
- @ pysicknine destrakves: Ethiciannee, INH
- desivatues: a Ethanituto de
- @ , rypazine desivatives : pysazinamide.
- B Anthioliss : stocktonychi, Rifampicin
- O misce llaneas: o Quoinlones.

Azethornych de maile . ?

of PHARanamycin.





by shibits of the complex leading to freezest in resmobility

observed side effects of the trade of the tr

* Ethionamide:

cooc₂H₅ cooc₂H₅ cooc₂H₅ cooc₂H₅ diethyloxalateButurore cyanoacelomide cyanoacelomide respectively
<math display="block">cooc₂H₅ respectively
<math display="block">respectively respectively respectively
<math display="block">respectively respectively respectively



171 thought to works by Entitleton of cell wall synthesis
-171 activated by monopoxidose enzyme, then birds to NAO+
(Nucleolide aminodianime)

poopedhes.

- -> gellan colab
- Freely solible for pysidire
- -> soluble in dichlorovethere

Insoluble in H20, alchal

side emils 1.

prasshee , Norbea, Roches, worthing

- * Barry vouse?
- O Ethonfa
- @ Ethade
- 3 myobed
- @ Ethfokok.



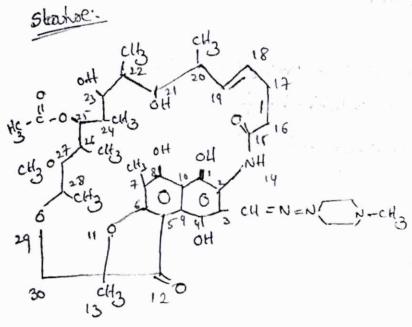
, extampes is one group of antibodies modered from the stockhomyces modstowanes.

A RERMYCH is 7 tyres

es fampion B is having more sensitive.

and they one 1st commercial antibostics

reformpsion is a destrative of reformyour Bu



The dable bond present essential in reduction of with dog the adult

The mesonce of hydroxyl of group is assorby

Orany alternation of cat, (23 opot demensites as hely

@ As a swillowfor give better activity.

becomes for helps for besiding to DDRP

consideranced and relamental

PRINCIPAL

It noncovalently tend to DNA depended RNA relymentate (onen) resulting inhibition of menn synthesis. Without officiting took DDRP begg (it binds to replice chafn which is not kind in a It is highly selective. Sice effe. 15: -1 cmshing - Loss of apprehile -1 awat, least two to example to sed colors Papershies -- ped bour colax soluble in orison (amenyl subhaside) methylene chioside, costo tetrachioside - snatingly solble in water and alchall Board rame -Ran MACOX AKT-2 FORECOX Pysa3 inamice Imp Decadorilate CH30H Hou Conthapally (V), Hayath Nagar (M),

Thus thought ny 203 horfide (BA) concerts to ny song incircle of		
which Inhelest FAS-I (Padly och Syntrage-9)		
The coastone desiranstolle the metabolic		
sée effets : Board name:		
- rumping PBackba		
of ashera		
Canh, etholia ac as		
boutegles. Borg. my		
ante class clo , stoppy solde in water, etter		
But soluble in social hydroxide		
** Pasaammosalicylic acid (PAS):-		
COOH NH2 H2504/HNO3 NH2 Abab /11 C		
THOMAS THEY		
Anthounglic NO2 420/305/		
asp coot		
COT OH		
The s		
NH2 Sn-Hel ~		
MOAD It is a Suhibition of backerial Blate metabolism.		
Pare (re):		
4 enter continue		
orasing soluble in unlock		
1 20 (cole to 1 to 1)		
Side CAR 18 MACROPAS MACROPAS		
- PRINCIPAL		
Avanthi's Institute of Pharmaceutical Sciences Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist.		
10 Dun of Shift		

ANTI VIRAL AND ANTI MICS

x verisi

+ obligate intracellular ravasite

+ Il is smallest of all self replicating organism.

+ It can move though the Riller that relain bacteria

a It can Evade the host cert

a was having eetter on A of RNA

They Roms capsed in then they Room capsement

sterse

I) - Adsorphon (Attachment

I) perebakos

ONALRNA III) uncoahir a cars a braklan

Life cycle of viouses

IN) TOUSEDS PELED- Orter into eyholasm (host):

I) rooms lation , use the muddic acid of hist cell

ASSEMBLY

It will Rome many

release.

7 This all librar steps combined to couse - vival intecher, To beat that out was infection days used are called Anterfood and Anterior dogs

classification: (based on chamical shouchise)

1 Admantane devivaties @ purpose devotratives

Ex: - Amantadic

25 somantadhe

Tromantadine

Acycloufy.

Gan ciclovis

1. Vida vavine

" renescloved

velaclayer

- PRINCIPAL

3 pyrimide derstration: s doxur fdine Tasploridine @ choschocus destratives: -Foscarnet class Frakn: bealment Partocal:-1 Treatment of respiration vival Enfection. 1) Admantane des Salves ex: Amantadine Remantadine a) pushe desivaties. 6) mysamidine desivates en Acyclard

@ Treatment of Herres cytomegalo virol infection.

I GOKUSEGENS 1286102996

phosphaus desivaties: Ex: Fosaanet.

3 Treatment of HIV (human Emmunode Ricexy vious):

styres a) receive transcarptose inhibition

1) evone devivaties: prodanosine

2) Rysimsdine desivatives: - zédovudène stavudène

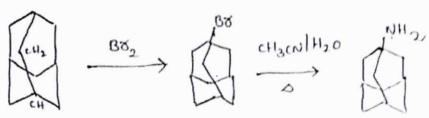
3) non nucleoside destination: Nevisapine

Delaufredine

b) protease inhibition: saquinavir, ritonavir ? used during chance staken.

e) integrase inhibition PHARAM · Zintevit

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Admantadre.

1- bacmo tadre. . . 1 amino admantados

MOA. It is a superpelos of necestral of veors of its decome? in the host cytoplasm. so that they steps the toronostrates PROCESS (MRNA SYNHEIS).

Paoneskes.

- white che muder
- Freely Soluble & water

Side cfrecks

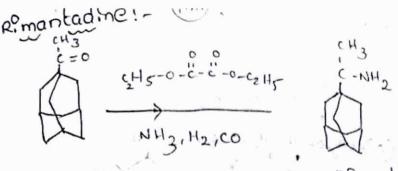
- szenizwoso (i
- 2) Light headness
- 3) 0933 mess
- a) corlisto

Board names:

- 1 NEAMAN
- 1 Amanteel
- 3 comantoel

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Rimontadine

MOA: It is believed to be like amantadine it is a Shithing

, It is used his prophylaxis of theatment of influence A.

- It dractly shibet the protesn which act as son chancel.

proposites.

whete registaline

sosoluble for 1120

soluble & wolf alkal? , which 2

sade effects:

- ·) right heachess
 - 5334, EEJa (2
 - 3) corRs? co
 - us nows ness

Board romes:

- 6 Flumadine
- @ Rimatadire

& Rimantadine less seen had than Amatadine.



- PRINCIPAL

01: 03/02/13

(1 bestroyloxy 2 is become thexy

avan Sic

(Hexamethyl desilozone)

Acyllass

MOA :-

= It will convest to into a cycloro monophosphate by viscel

thymplane kinase. Then it concepts to acyclais bishosphale by host cell kinase. And this acyclaso dephasphole will inhibit the DNA polymerase. Present in inhibition of DNN stauchars

Poopestics:

white coystals soluble in delical aceds.

- Insoluble / slightly soluble fr water, archalg

89de ere 18!

raisea, vansting

sometimes senal mobilens.

Band names

20 VFROX ZOVEROX

Nesax

vioclo

Acyclox

- PRINCIPAL

ACLOVE XVAOTIS Institute of Pharmaceutical Sciences · Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist.



vidarabine: (vidaravine) (int)

NHCO COHS 6-brehzamido asine 2,3,5 tx-0-benzyl chieste

MOA:

o It works by Shibshing revan RNA synthess. asulting rédiction et visal dertication.

@ It converts to asci-ATP by thyoned, me Knage. which snackve linkstel the visual date desiling false . which well . nuclease asked synthesis.

Poopedfield;

- + while coystaline insolve in archine
- -> stightly soluble in water and alchael

Side eppele

thing, rash

Board name.

ARASEN -V

ARA-V



MOA .

It concerts to distance the which incorporate into visal DNA & disturt the visal septication.

racrobies:

- + whele constaline
- 7 Soluble & 2N HCL & 2NNOOH
- → slightly souble in water, chicooform, ethoral

sich etrels.

olumed vision, Photopholia

Board names ;

Iduoin eye Xuoine Toxfl

Smrel-M

(TOSES) TS)

- PRINCIPAL

The works by selectively inhibit becase transcriptore enzyme, which is responsible by making a way and conjugates and .

poopedics:

- while to being cholax
- > stightly, soluble in water, chicoform, ethanal
- > Acfd Plux (Isos lakon)
- Loss perpettee.

Board none.

Retoover

2: dov88

zidme

zidonsx



PRINCIPAL

ANTI - PROTOZOAL . AGENTS

notoscal infections

Partoza - unscelldors

inicallidas infractions more dorgaeras then bookeral infractions

- melabolic Rooken more close to human melabolic forties
- 7 stis not easy to attack molosial infection die to its metald
- * so that they have more stice effects and also not safe viet

Par lo soul in Rechirs:

ex: malarofa Amoebsasses

a cardrases

Torchomonasis

Tayransoman asis,

1 Amoebiasis / Amebiasis: -

The protoza responsible Roths "Entamedoa his toly tra".

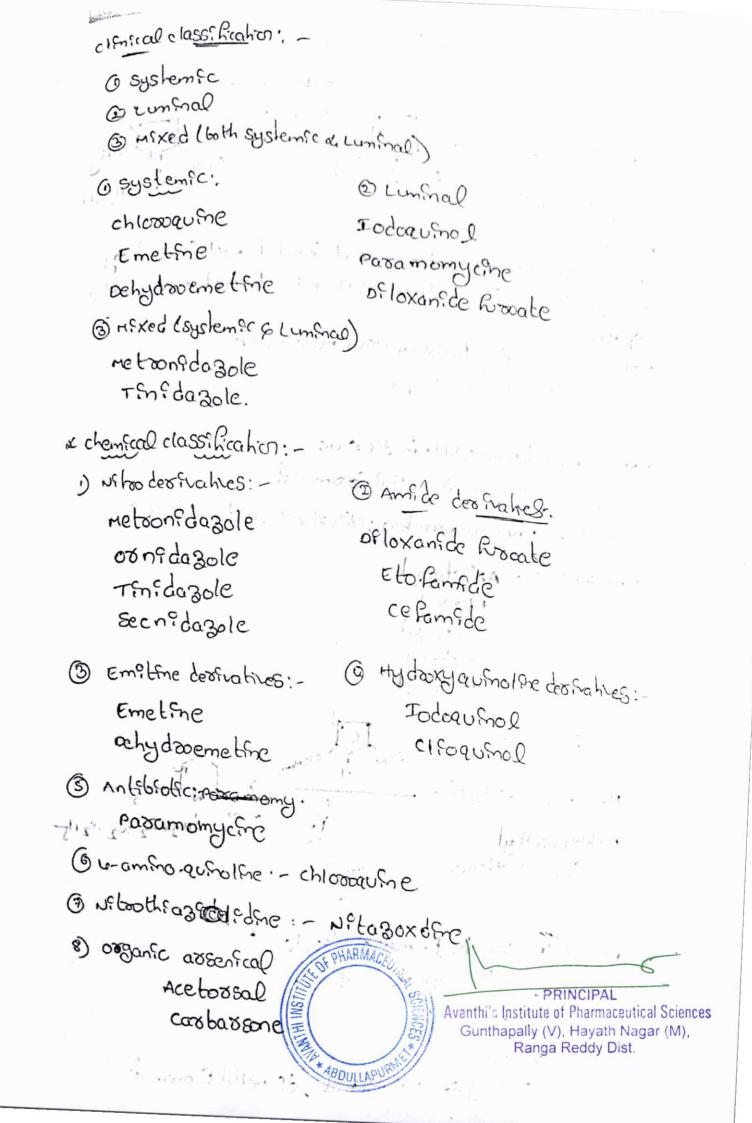
Around us milion people was infected by amachiasis :

water though >> u roophozost enter to stestine

(Lived)

at 19ex

DDINICIDAL



mctaonedozole 2 chlow-chanal Cl-cH2-CH2-OH 2 methyl infidezale

It is a nitophridazole destrate it inhibit nucleic acid by Roming nitroso adicass (R=N-D) there by distant DNA Synthe

· Il has less somethe to mammalson nuclescased

· By using femedoxione curring

Portskep.

· with yo caysholline soluble in dil sulns Sparsingly soluble in de-methyl Roomanide.

side effect: Nausea, remaining, of a shess, abdominal rain

Bandrone. Axistogyl Flagy metoogyl metoco Aldegyl

H502-SO2-CH2-CH2-CD.

1-chlow. 2ethyl Sulfayl ethane.

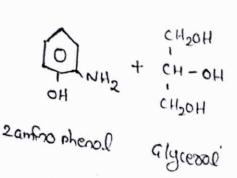
: It converts to metranicasole Come of melonicazoto

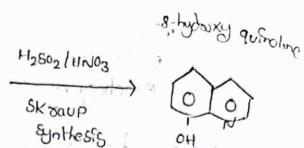
while rando.

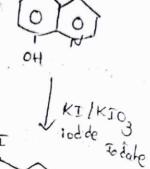
stightly solube in ethoral and methy Rosmanido.

sele effects vomithing, Flatulere	2 3 4 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
scellane Tina	
cound name. Tina Enfdazole	, *_
Amebogam	
oploxomide avade (Emp)	
Cris	CHA
Cl2CH-E-Cl H-N-O-OH	13c -Hc - c'-N - CO>OH
N-Bethyl Analine	2
oichlowacely N-Bethyl Analine chioside.	1
2 hz	ml, [0]
C)	yeard. C=0
cl. och	cr 1
HC-6-10-10-0-	2 - [2]
ce la de de la ce	
notes Amobecbicael	A superior of the first
stacks on as Gluman.	p. to top out to
parethes: white sold, insoluble in a	sales, ethancel, ace how
side effects: Nousea, vomiling, plans	sofeci
Board none.	() · · · · · · · · · · · · · · · · · ·
Azistogyl-F	. 1. 1
metan-OF	2.8
oysade.	
	1.
SAMAGEUTICAL SC	
Z. A. C.	- PRINCIPAL
1/2/	Avanthi's Institute of Pharmaceutical Sciences

Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist.







& Any amino good converting to aumnoline is called skoul MOA:

It ashe against both cystand toophozogle . It works by a symphomatic as well as moderate amebicisis. Pareolico.

eight yellow to tan Insable in water, ethoral, aceline at salle in apridine, bot disoxane

side effels: - 1990 lation, chisis, ferer, nousea Brand names: - vytone

20donex

7-1487 CA

1 st is restricted to snotes fre and no other gos nost of git

afasolias intestiration v charges name to

gst & booksofte - cousing the infections

- They are not strong through blood storam, passes through feccal matter.
- 4 possibly of streading of the backerial less though Raid.

mainly strongs through - water, feccal matter, clothes.

> This is asymptematic .

symptoms appears appear (1-2 vecre)

Abdominal coump Abdominal noth chills, ferex, Plus hop osarobea, Nousea, Loss of appielt weight loss.

ougs used of brahment of ciardiasis

Metonidazole Tinidazole Furazolidar

Emelmes (Heracoine)

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antimological day to toat high fever.

Fundagolidane: (Intellevalore)
(dictly/exalocse)
(2H50-C-0-(21)5
1210-10H2-CH2-CH2OH
2 hydroa fine ethanal
CO-CHO
2 NO C = NO CH = N - O CH = N -
5 Nilso Rokoal
roA.
The believe to st works by DNA cossilinking
4110,0000 10
insuble h water
side ettels.
Naoseo, worthy, abdominal roph, diosofren.
Bandrone:
Fuzosane
Fulo:
FUO3yl college
Fusachlod
Avanthi's Institute of Pharmaceutical Sciences Gunthapally (V), Hayath Nagar (M),
Ranga Reddy Dist

- small mizavogenism which cause disease railed as
- Rosely Patal. but majoraly causes subcatth a Depolated day from Lod
- weakness
- * 2 bostio belison recole of woold affected from this
- original which well helmenths are known of + vermitte expelled from body + called as "vermifige".

Both veroms Ede & verominge are known of Antihelminhist.

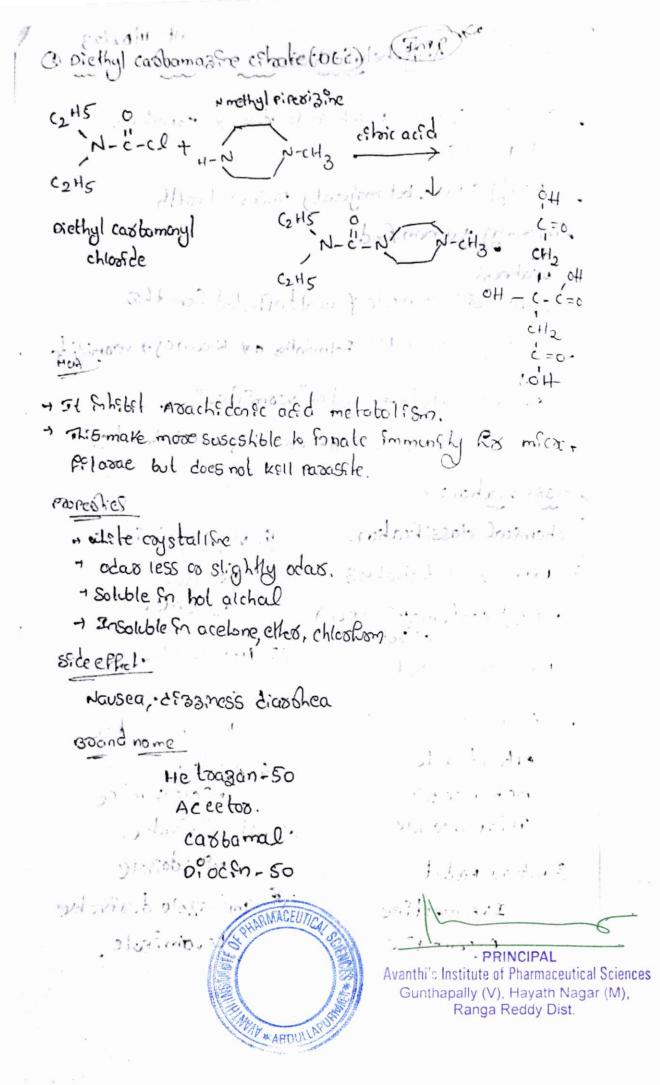
- & classification: chemical classification.
- O Piperazine derivatives ofethyl carbama 3 me (DEC) Piperazine cibate
- Azote destratives :-(<u>a</u>) Albendazole mebendazole Thisabenda30le
- 3 Natival Product I Verme ctine Avermentine

- @ vfny 1 gyrfmidine. oxantel Pyrantel
- 3 Heleacyclic · oxamniquine Poasfquantel
- 6 Amide: Nº closamede
- @ withou des wahre. Nº of dazole
- 8 Imidozole destratve Levamisole.

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Ranga Reddy Dist.







3-ch1000-6 10 too acehynter SHacz

o Il is act as veromicisce It works by degenerative alteration of salestial cells of helmenths by selectively bind to archeck sensitive B-tubulen. Subjecting the relymentitation of ex assembly sato microhlules.

@ Il will show the heavy uptake of glucose

- Il reads to surreised uptoke of glucose by lawal Gadult helminths

*ABDULLAP

, at will subject Romation of spindle pibe necessary Porcell division

+ Il disorpto cell mobility and also inhibits
metabolic mointernce of nothoway by inhibiting the funasale reductase a matale dehydrogense

- colabless caystals

Bound namel:

- Insable Fralchal

Bengol -> Syap

* aceline etter

combatoin-A

89 de affects

Albesan

nasea, abodonsal ros

in somerages bane marrow

survession.

Metendozoli N-methyl carbay)_ - Smethyl throwsea TOHO TOOCH 3 A siu diamino being of henone MOA : It selectively shipliff B-tubulin seading to shipliff on for puroment of glucose servidare of glucose, nubients etc. Percolo 1. whole of Recolars - Soluble in - Room (c a c & (HC BH) - sollbe in water sichere, etter Sta effek Nasea abdombal par, diashea Board ranes. Hebex Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist.

A aldabres

* The abendo sole :.

u-Headde cabboglic

strucks by Shibiling selectively mitochondoran helmforth specific enzyme - Romavete reductase enzyme.

POHONCE

- n colorbless
- insuble in water, ether

Steenels.

Nousea , abdombal roln. Diasohea sometimes low platlet cant.

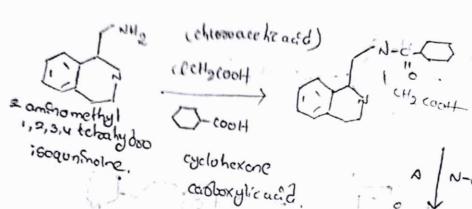
Board rane:

mintegol

Albectan

metectan

PRINCIPAL



MOA:

exact man is unknown

> But experimental Envestigation seveles that massiquantal Enduces the resomeabshily of cell membrare to cattion leading to mustle contraction. Dr hang rasolysis of rancische, Parcolics

> whote coystalise insoluble in water method, are he side effect.

Nousea, malaise, somnotence (Booushess), attempral roin Good name:

cest cestocide brog & Helminthex



x Niclosamide:

3-chlow and

2 chloso unstro

MOA:

It shield glucose sequitake and exidative phosphorylation

parestes

- selloush creamy rucks
- Solbble in water
- soluble in acelure

side effects.

of 33/4055, Nousea, proutenes

Board romes.

Niclesone Nicleson Niclospide

> PHARMACEUTICA ABDULLAMURANTE

- PRINCIPAL

2-ammo-5 15/20 thrazole

MOA. It will shake to orgenesis and steamphyensis q

+ It also inhibit phospho buch kinase engine reading to. depletion of glycogen.

Parales

- 7 Sellow oyelals
- + shoulde in almostall ergenic solvente
- + soluble in timethy I Bomanice.

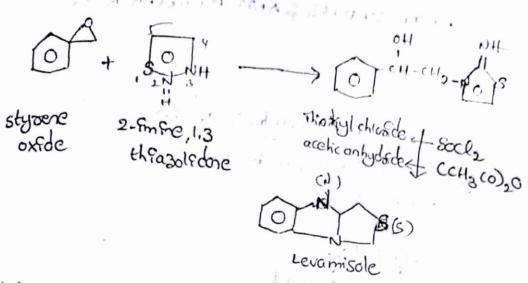
स्ट्रिक व्यक्ति

rasea, vomily, hollustrations

Board rome:

nce ga sole

Ambilhar



MOA: It works by administrated with flowers (

= It wooks by activating sommunosystem / Somation of Romation of antiger-antibody, enchances t-cell.

+ Engulang of Rose Egn cells and exchances phagogyloss

pareshop

- a with ecoplaine
- insolve in water
- Souble & ranglex glycal

Ste cffeks

Newsea, vanishing, dia othea

Levamol



ANTI SCABIES & ANTI PLOTCULAR ACENTS

1 Scabies. + Fichy skinny T mobily coused by "saxcoptes scabies" (mite)

+ That they makes a bussew in skin.

A Scabics is contagicus. 11.

Bymphens: makily stehing

more worsen in night

inside worst. Award whiste

Sole of Reet Scabies mostly attacks.

The tody areas where in the rain than the sole of th

orage lagents + used his will landar of sacables are known as Scabics de (Antiscobies.

@ Ped: colosis . (Blood Reding eclopasos le insteté) Bund on head hask

+ Infestation of 18ce

rediculosis capi his (Head pediculosis)

rediculosis corrors (roody Ifce)

rediculosis Pabis (robic haso)

- mashly attacks on - Hass

paget agate-used to kell central pediculosiss one known of

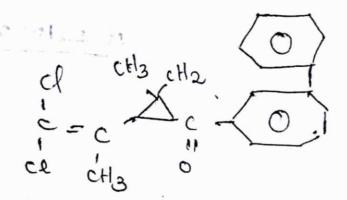
rediculocide lant redicular agents.

Days :-Benzyl bemzoate used for both scabes & rediculess. exotams ton Lindane permethanne i) ocnay i benzooke. 7 Il is sessin form Perou realson + colabless ofly used topically. 2) cootame run + It is a ofly, colorsless + massly insuble on water Sable in almost all oxyonic solvents. - presence of alkyl group more auchine persistently act against mitis fleas, lice. moshly synthesica as eacomic mixture (d. 13, V, S, E) eutops v (10-12-1.) extracted / chamatogoraty) Except eyes all are body used brically. used after bompened the body rasts - Synthested from beneare by chlostration 1,2,3,4,5,6 hexachlowbeen Pacess. cyclohexone -> Effects on mount for as similar of r/jugave por (pickow diployal tarchice - of sear less side extension adeste

Avanthi's Institute of Pharmaceutical Sciences effects SP Syested

Gunthapally (V), Hayath Nagar (M),
Ranga Reddy Dist. See effe is like: diamber, address in the second of

- colours buff to tan
- Insoluble in water
- Souble in almost all exposic solvents



XII is semisynthely

- Phale · yellowish colax
- Insoluble Si H20
- of soluble in almost all organic solvents
- 7 1. of 'suspension Kell ag./.

Boicfly explain on scabies on a confi pediculos is

Avanthi's Institute of Pharmaceutical Sciences Gunthapally (V), Hayath Nagar (M),

Ranga Reddy Dist.

Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist.

Impack,

classification:

1) well absorbed but shoot acking 8) rolate reductase inhibit,

Sulfamethizade sofasaxazale.

4) &16ne:

Sulficsoxagole

Sulfadimidine

suff soxadine

2) well absorbed intermediated aching.

Sulfa Phenazole

Surfamethoxagole

3) well absorbed long aching: -

Sul Pamethox Fre

suradismethoxine.

sulfamethoxydfagine

Sulfamethoxy pyour ine

4) vell absorbed vitor long acting.

Sulfa doxfine

5) Employed his orthalmic

sulfacetamide Sul Fisoxazole

6) Employed his busin tocalment: -

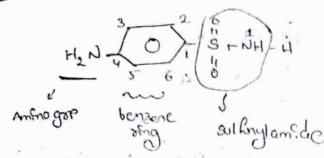
mefen: de BIPVER SUIFA disagine

7) Employed Ro GIT tocomos PHARMA

Sul Fa Salaz Sie sulfaguantene

Successyl suffermethoxing Phothayl sulfamethors





.) Andregue and sognil (Sullary confide) gor should be 1,4 rosships

2) N, + mono substituen, of heterocyclic compands (heterocoma he compand)

3) my sushikon en bendene ong reduce achiefy,

a) replacement of SO2NH2 by CONH sedices achiefy.

Tioneral Synthesis of surpromise:

HISOH ONLOCK Soll CHOCK acety soll (CH3(0)) O NH2 (CH3(0)) O NH2 (CH3(0)) O CH3(00) H

SO2NH2 SUPLORIES

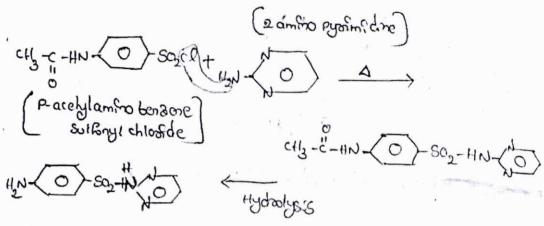
1420 HCD

H20 -502NH2

(Sulfanamide)



- PRINCIPAL



MOA .

It works by inhibiting dehydospheoric synthease, resulting inhibition of

poopesties:

+ colabless, powdex Cohste).

+ slightly solule in water, actione

side effets: Nousea, loss of applife

Good name: Lantossil, reotosine Sulfose

Sul foramide aplex Sura-tarple 2

@ sulfameth? zole:

2 methyl-sonio 1 12173 1213,4 thrasticade sulknyl chloside

MOA!

a It sakelet dehydoopheootraad guthose oosul king in sakeletion of guthers Processor & Blicatia Hadis OHF.

Properties:

-> coladess, runder

- thoulde in water, ether

- But soulde & hot wated

side effets

rbusea, d?33 fress

exand names.

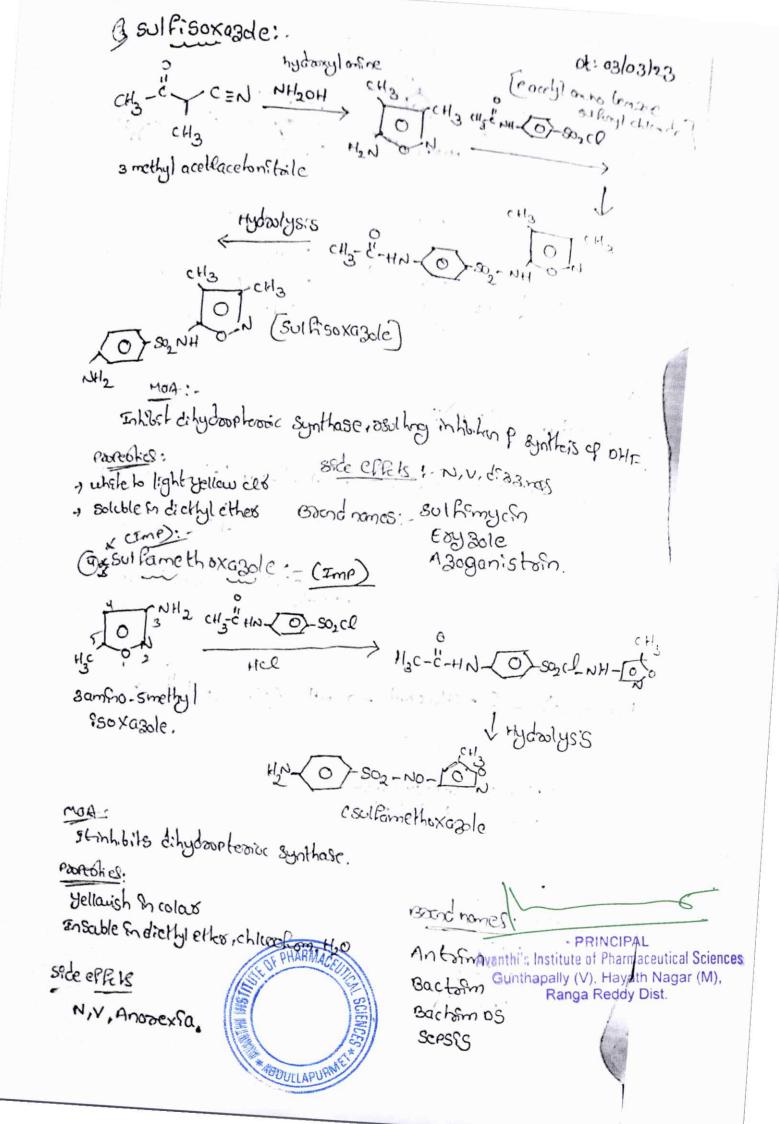
Sulkins

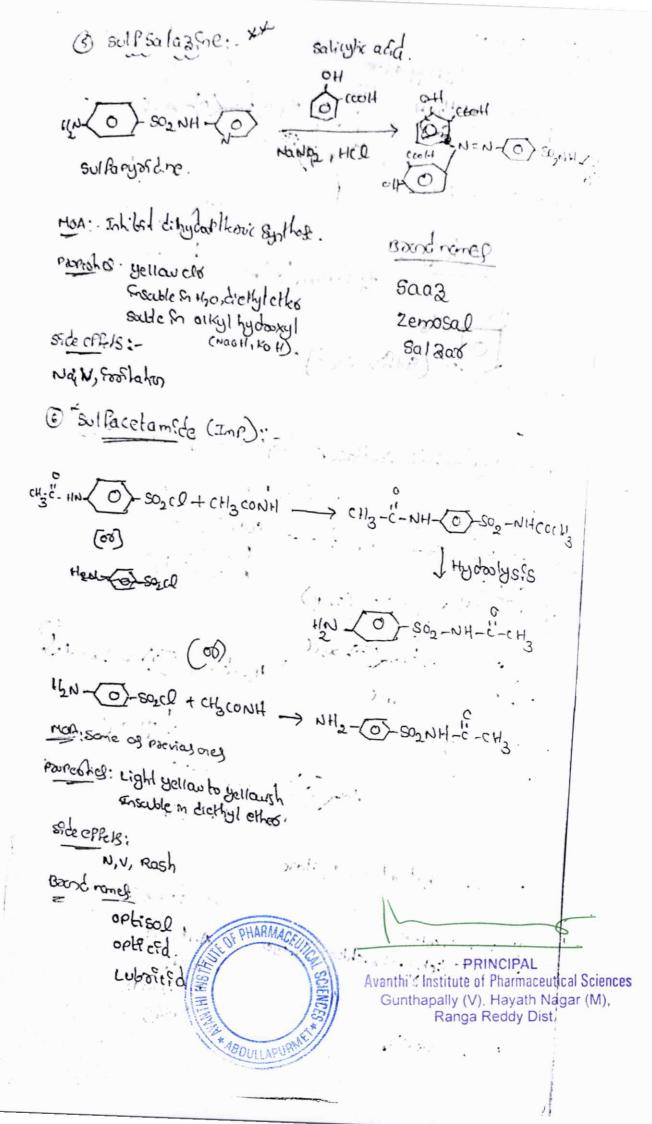
ABDUIL ADITON

& lfameth ?30



PRINCIPAL





Antimala oral agents

-> causalfic organisms.

2) 11 ovale J. Et can be controll

" Palcinoloni

malassare

Know test

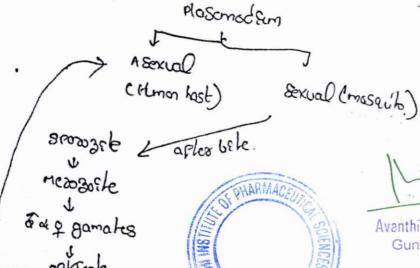
@ plasmodium Falciparlem most thattering malaria discaso reads to come feres, correstions Rhally coma,

It can be controlled and relamed. but they may stay in body of doomant contikes ento days to menths. This concertor is called hymen hibernate condition (Hyrnozoste) Reaccourse possible TO Stop seocusonle he need to complete the total dose. (Camplete dose)

@ Plasmodfum malasiase

By They are also cassing molarial ferrol
on guf canhibel and absidence combines

* rection + mosqueto. (f anecohelas masqueto)



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

enless 6 humas ached bake. * pages lagents used to control schape ond to stor up.

classification: (Imp

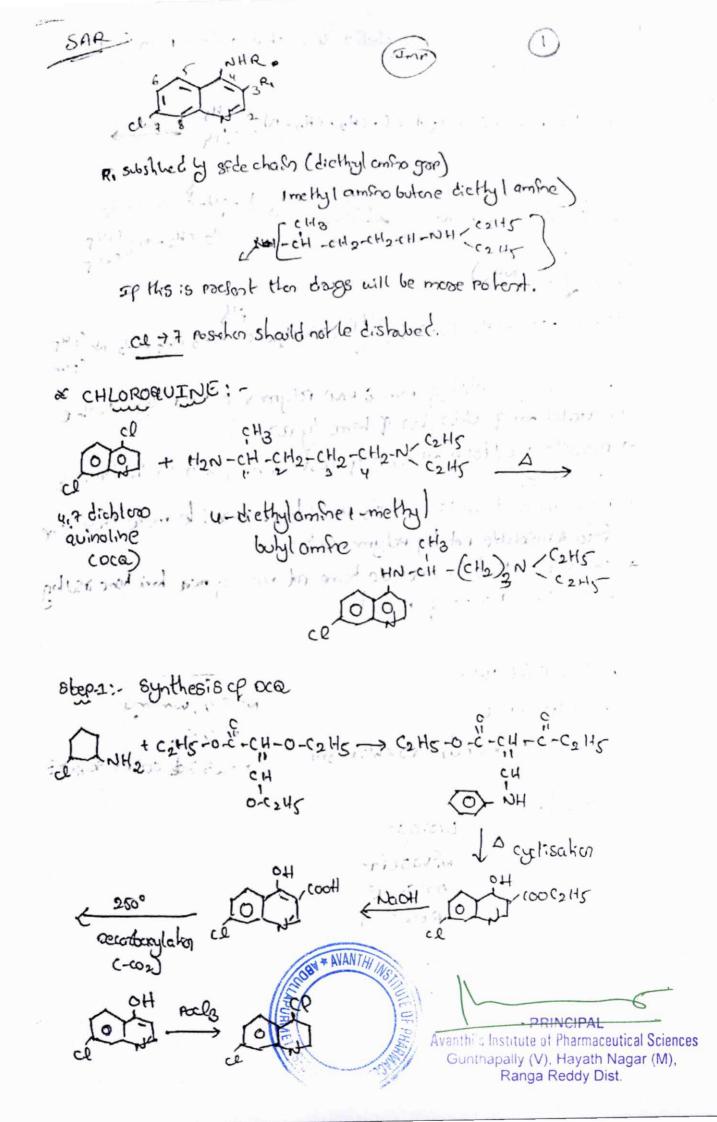
* chamical dassification:

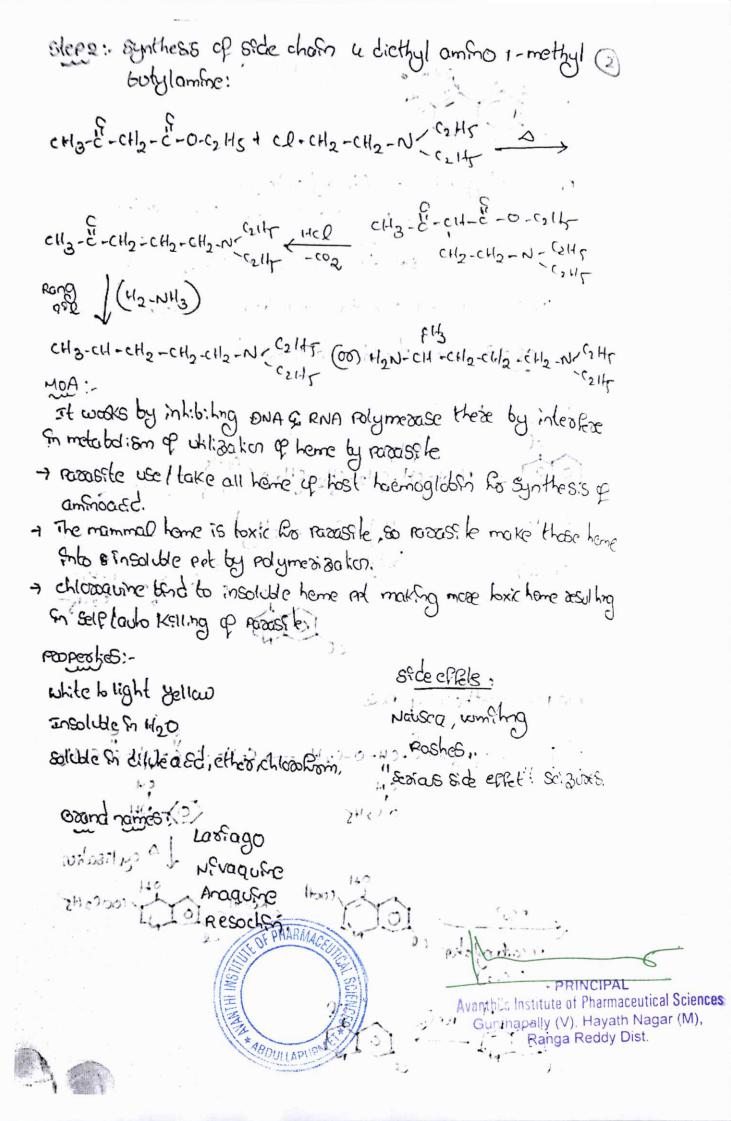
- ou amma quinoline
 chloroquine
 Amodraquine
 proexaquine
- @ cinchonaralkopods:
 - 3) methanal quiroline me floquine

- Premaquere paraquere
- sulfadoxfac
- 6 of pysamethamine!
- anhibiolic:Tehacycline
 clindamycine
- 8) Ofguantides: prograntid
 chioracantil
- a) Napthaquone:-
- o) sesquitexpere lackone
 derivaties: Axtesunate
 Axtemethex
 Axtetheex.

11) Amiro alcohal 11alofantoene cumenfantoene

Avanthi's la





It prefixationly accumulate into tysosome of the rossestle. , thereby inhibit lysomal Richers.

& Parechies:

side cPR ls: NEV, sleep disorder

, with colonoloss

+ Bither Sn taste

sesione side epicto: include.

- Insuble in water

Halluchakors.

Admate-ME

Facital

- PRINCIPAL

Proguanil Chlorocavanide: (x2) ce O NH2+ Na-N-cN -> ce O NH-2-cN

4 chloro an ilne soction d'cyano

amine CH-NH2 CO TONH - C - C - NH - CH > CH3 MOA: It works ty shitching of FR of Passass to although both, mammal & Robert Love DHER, Chlorogues I is smelific OHFR Salibshoay, Bood Peolico. Papelles: side crabs. , wifte, color less → Ensablie & etter, chloschom Board name: Laverson , paoguanal interior TMP XXX durine CHZOH ocHz ocHa CH 20H NO2 2 rstoo umethoxy on the synthes's alycoal octla (CH3-HC-(CH3)ochs Avanthi's Institute of Pharmaceutical Sciences Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist.

104) , Il is lethal to both plasmation. Vivax devole of live story and provale at blood stage, through its obility of oxidative damage to cell. purebles side creeks , white, b. the taske New, sky scoh, feres + Esable So Moss Rom, water Ecther Board names: Leopofine Leoposme Role Maliroid malford DS Malsoid DT pamaquine:cllocat - PRINCIPAL Avanthi's Institute of Pharmaceutical Sciences Gunthapally (V). Hayath Nagar (M), Ranga Reddy Dist. OCA

wer as byzwadnye

21'20 SUNTIN TO F PHARMENT SOLES

(20 03 3

podiced from micarcognisms

, Thay supress the growth of the microcogniams.

class Rication : - Based on

- + chanical classification
- MOA
- At his at the organism.
- Based on Spectam.
- * chemical classification:
- 3 sulbnamade selated desivates. sul Rediashe su Padarsone
- @ quinolone destratues NOTO PROXACION oploxacfo reco Ploxación
- 3 rehocycline oxylebocyclice Goxycycl Fro
- @ Azole deaveles clobsmasole Fluconagole Keloconazole
- NFhobenzene desivatives chloramphenical.

of hydropyosmide deallanes PHARM

Ayou methomine Tomethopoling

- 3 Lincosamide desirations cifndamyche Lincosamed
- @ Am Progrycosside dema les sherhomyche Gent imyerne
- B-lactur Antinbiotop Pencelian certalosperine moro bactim.
- Macolice. 13: Alamych Eoythamyern. class thrompich
- (1) Ni hoo hoan dedicables NE hoo Rocanton

Durcolonic and demantes

ssorfazid-

Avanthi's Institute of Pharmaceutical Science Oxy 30 152; mcGunthapally (V), Hayath Nagar (M), Ranga Reddy Dist. LEnezoled

hoo func do sole de avales mehonsdazole Tinidazole.

3 polyne desvalues. Nystakn Amphotosich -B

(13) pepkele desivativos:-Polymyxfo-B Bacfforcina

alycarent de desivatres: v.Sncomycin.

& penficellen :.

obtained from & Pericilum rotatum strices.

In 1928 Alxorder Flomming

doing work on sources he actionally Rind that.

Floory - seresale resiction whehm by charachysterly

1948 A. Flemmy, Ploopy obtavoord Nobel 1030.

A: 31/03/23

18 HissCellieneng lottes

Rifampin

Thracelo3cle

25 dovudine.

class Realien: Based on surge.

O Nahoal: Penicellin-G, Penicellin-V

@ Biosynthetic: - penicelling, penicellin V, X, F, K

@ synthetic: Amox fcflin, Ampicflish, nethicilin, cioxactiles, dicloxactiles, castericans Napfeellen, Texacellen.



- 1 Sulphis 18 essential at O rose tro
 - yfeld actid stable but tess rotent dag
- (2) In 2nd roselion no substitution acceptable ested acceptable ested with acceptable ested with acceptable ac

47 No Substitution
67 Substitution for side choin (R)
77 casboyyl essential.

bulky alkyl good gares rotent doig boos of stepic hinderence.

* Penficillim- a (Benzyl penicillim)

pt: olloule3

Sylleis is

Representation of the content of th

1112-1112 HCD

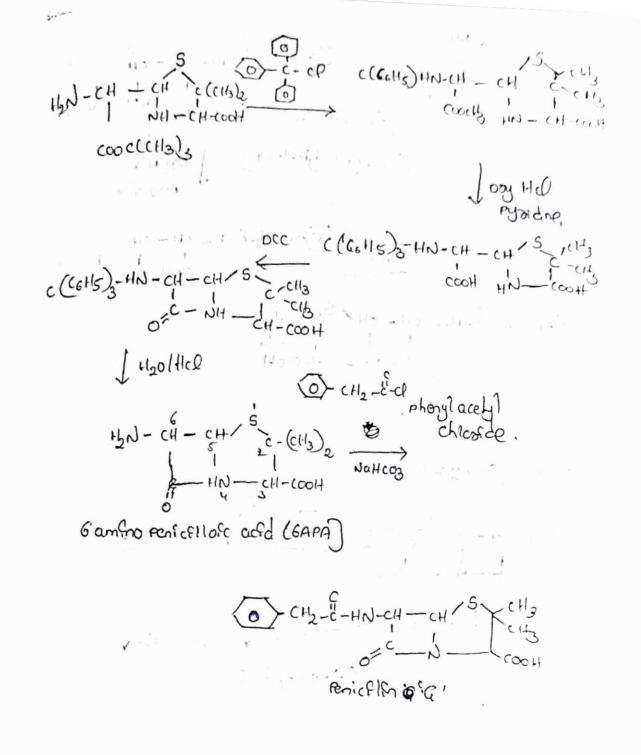
6-12 V

112N - CH - CH CCCHD)

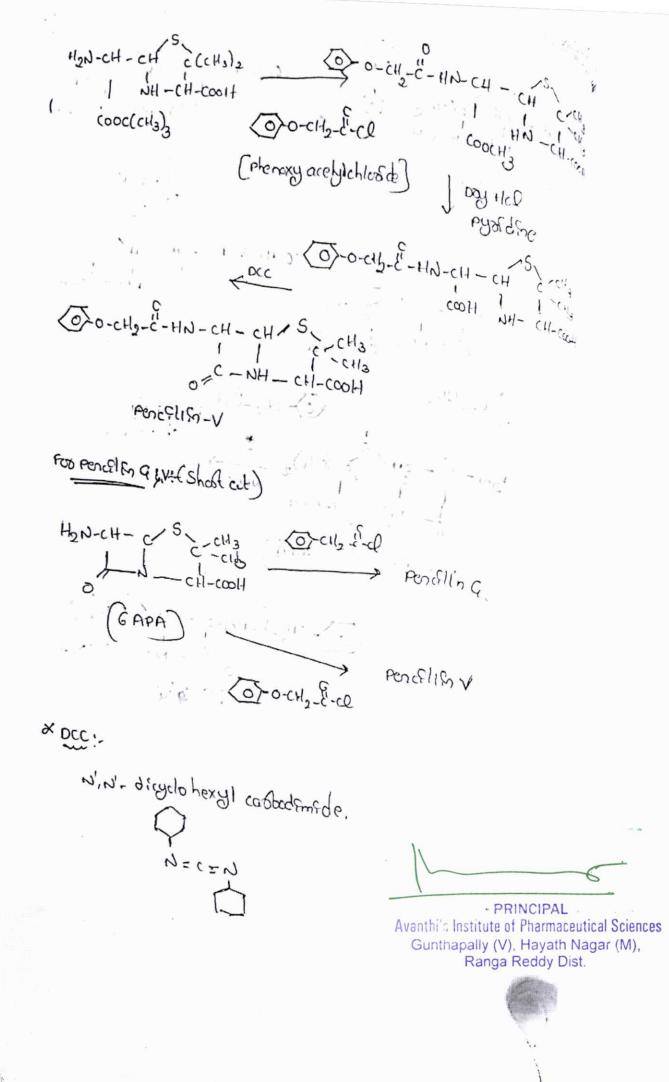
Avanthi

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

continued not mage







posterns) to enhibit cell wall synthesis. by coss linking perhidoglycon, which acquiroes the vigidity & strength op

properties

poricein a chise while panded

si fosolible for water solible in ethoral, method, ether acchine, chioso from.

poorcoles:

slighty subtile in water soluble in olynostall cognic solvents

Bland namel: Bropen-UK Kaypen

Acreek

side etak

Feres, Solnt rufn

Board name:

Pencom
Pencom
Bistace
Pentids-400

iste energ

Rashes, ubkcasa

TOT PHARMACA SELLENGE SELLENGE

Avanthus Institute of Pharmaceutical Sciences

Avanthus Institute of Pha

MOA:

It commetelvely band and inhibit tous midtakenase enzyme southing so souther of cell wall synthesis. Supostile as replied gran sylving

Eleke egghaline Solute in chicoform and etter side effels:

Nowso, vansting. skin oust,

Bound name :

campfielle Apishocilis 24 c:115 Roseflish



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

2.6 df-methoxy benzay 1 chloside.

MOA:

It words to transmerbidise enzyme thereby blocking the synthes is p per kidoglywn, leads to inhibition of cell wall synthes is

Proposics:

- while, Rne solad

- soluble in acchange theo chlowcom , porykne glyral · side effects:

5 Ks rash, Nausa, vom: Ing

Brand north:

met 1.50 methicfliss.

Imp auchtp:

@ stacher ord roumleator of Acrichin, SAR ?

@ Amokadin, Amalica synthesis, ?



CEPHALOSPORTN

I Thay extracted expholosoral from the bockeride species: -

cephalosposicem acremonicum

Later it is known as 'Acormonium chaysagenum'

= 1st certalosposin was synthesized for + certalosposin-c"

why certalospoon used ? · (And P) blo however

न ८००३ ११ १६

· Broad spectam

· one sofely

· oak to got as saly as res

· probability of less boxic effects.

- · certalogrosh is one stouchoally one fretroally closely releated to portallins.
 - · GAPA is present literes penicilin.
 - · cerholospoom + 7 ACA is racford.



PRINCIPAL Avanthi's Institute of Pharmaceutical Sciences Gunthapally (V), Hayath Nagar (M),

Ranga Reddy Dist.

1 Bssen had (Ndchange with sulfine or sulfaxide)

- @ ofhydoothio sine ofng essential
- 3 essential for pharmacoksretic & briding sile of day
- @ cabarylic acid essential, replacement results in decreases in
- + B-lacter sing should not distrib as later.
- (R), AIKI good desides the achisty.

7 antho cerholosperoanic aced (9 ACA) :-

H2N7 6 5 2 CH2-0-6-CH3



closs, Realion.

O ist generation :-

cephalothen cephaloxen cephalexen cefadaxil cephralen @ 2nd generation.

ceforox ime ceforosin ceforosin ceforolo

3 30 gore sa pion:

ceptasoxane ceptasotime ceptasoxome ceptisoxome (y) lith generation:

cefepine ceffoisome

S 5th generation.

ceftob?paole

6 others.

cefaratiles cefaratione



) cefalothen / ccfaloten:

Theopheyle-2 benzyl chloride. (on Thion-2001)-benzeyl chloride

ST CH2-6-HN ST CH2-0-6-CH3

HOW.

It band to and shhibst PBP (rencelies bending pashess) assulting siteofesence in coassimkage of reptideg lycan reading to similishing

Paorethes. whole, slightly soluble con insolube chlorofrom, ether ond acetup.

Board names:

cefaloken Ke PIFO

Keflex.



Roshes, fever, and scropes side effect analy Caroliac assest

PRINCIPAL



3 celosolin

O(H3) 22-00 (Prodic 60) to inchyl ocely chicode)

2) N(C2HD)3 (Trichylomine (Tea)

10 July - 6-cl

3) 12N 3 ACA - CH2-0-E-CH3 ,

netoazolyl acekc chicóde

10 N-CH2-1-HN-S-COOH CH302 -CH3

1 2 - mescapto- s-methyl, 1,3,4 thraciosole.

10 N-CH2-6-HN STOP CH3

TOA: cere war synthesis so sold shibits by bonding to pop

solod whale . &

acelore.

est insoluble in chlooofform, ether

Board namel -

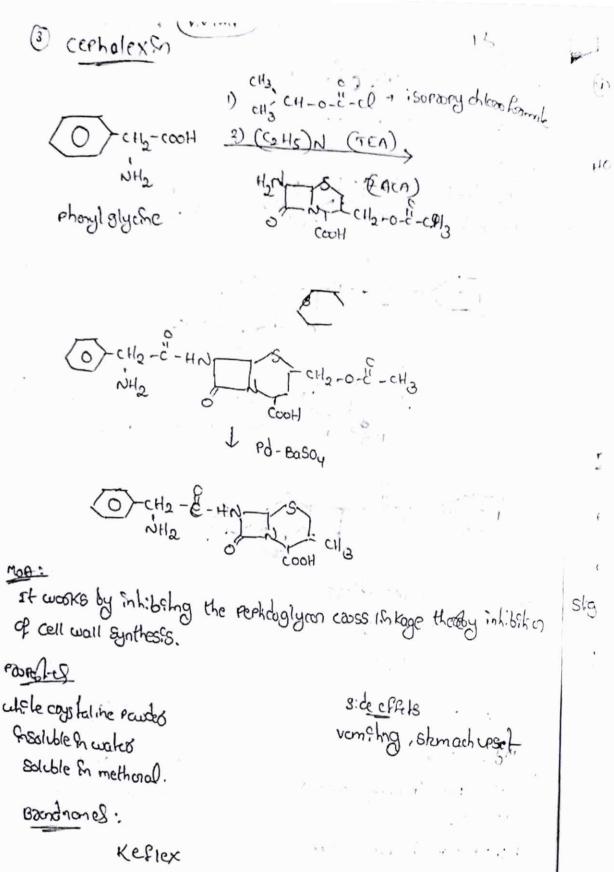
Ce Pame 2 PHARMACE CE Pame 2 PHARMACE P

Sade Click

Allcogy, N,V

anshes

- PRINCIPAL



Acex CEPOZEX cefalex



& celadoxil.

1) SH5-0-E-CD etyl chronomak.

2) (EZHS)N (TEA)

I A-Bosay

The Gods to PBP and South boderial cell wall Synthesis.

vorsiting, storech uset

pareokes:

wele

Ensale & water

sighty souble choolon iches

count names:

Duricel

Bicep-OT

000x51-500



- PRINCIPAL

- This and biolis contains macadide lactone of y with denny in

one of sugar containing demothy? amino grow to ghe bosic! - Macalides ax less stable in acidic condition.

- stable in aqueas solution at Ibelan som temp.

- water freshble

+ cretable at acidic condition

MOA :

It bends to sos seb unit o-RNA of micocoganism

Enhobel polypetide elogation & people Romation. so inhibit rooten synthesis

Results in inhibition of growth socretication.

1 Eaythamych

3 clasift souther

3 Azethamych

Roxy thromych.

macolides.





-@ Egythamychn:

of is synthetized from stoephomyces egythocis,

SAP

Ost is less and stable the Ketene gop is ath pushion - replaced by hydroxy ambre to Romacxime

ex: - Roxy through

@ antroduction of historgen to expand from . 44 to 15 number to goe better section.

Eg: Azethaomycon

1 The makine of diethyl ontre in one sygur , give its buscing and Roms south.

1 bads to sue subusit of bacteria and stratogation of rolynoptie chas, restuling pater synthess is hibition.

parchiel

+ Yellow coystals

Ensoluble in water

- souble in onso comely alebase teles and a celo

s'de effels rang hy, alleasy, Abdom had not Brug momel. Althous ery thrown Esomych calthour @ clasithoomych. It is desired from earthornight at C6-6H' acreaded by -OCH3 amaning some of only throngen, Same as eighthrough It inhibit parten synthes by bending to so a satural of o-RM ochily South ord serlice for of backera ments: Side eff. ls Nase, ranging, abdominal pas, prosonces OF PHARMA

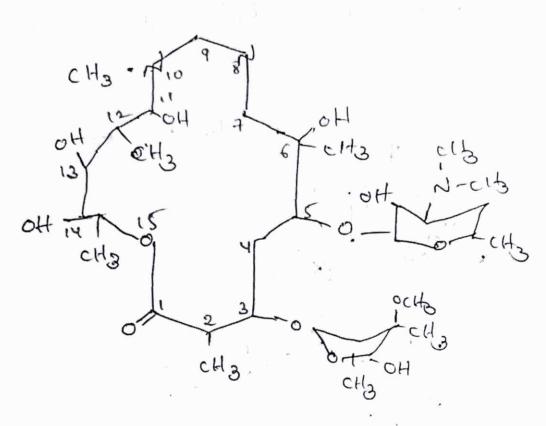
-, whole, solod

7 Insorble in water

7 soluble for oriso

oxendromes- maclas synclas

(Azethounger.



Band namel.

Ageth Agee Ageast Ageact



autonomus selakiely unlimpted and abnormal are growth of

commonly consed concert the men - ling concert would widely 5 billion nearly affect.

couses ;

1) physical agorle: un zoys 1-roys 1-roys

at Kylating agent, Acetylation agents

@ siological agarts:-

some Bacheria cases < perke velas ; unbacated/ignosed causes cances.

Some Rope > Asperigillus faus } hind a some Rod makerials

1 ité réanuls, colten sond

tree nut

selectes A Plaxexin chemical

causes concer,

@ Gentic effet:

Fam anesseers to other generation WIE OF A

Social.

recole taking Rich Rat 3 Look

Alchael (

Gutkha, Plan mabala

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

and educes of the

is real con ail

6) Homonal:

steriods also con cause concer.

« classification !

w chemical classification :-

@ Alkylahyg agon's:-

ice) Nithous useas: - casmustine, Lomustine

.5) witager mustable: - cyclophos phomide, Hosfamide, Ifsifa. melphalon, chlusambucis, mechlowmethamine.

es) Ethylone som soe !-

Thiotera

Ry Alkyl Sulfmate :- Busulphan

tolasine: procarbazine; of a carbazine.

@ Anhimetabololes:

) Pyofnitche desvahus: - & Flusionaci D, cytasabire capcitable. Gencitable

2) Puome desnahes: 6 mecaphopuono, 6 thispanhe 6thiogranine 139 tho ashe

B) Folse actod.

me tho beaxab

@ Plakinen cookenated - cierlatinum

cisplo ky coolo Platen TUTE OF PHARM

Ankbiokeg.

actinomyon-B Bleonych

mfbmgch-c

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

14.

() Plant Produk :

vinershoe vin blastine eloposide

e) pooles kinase inhibitus.

a) miscellonocas agents.

L-Asparoghase
Assense brioxside.

a MoA of alkylating agents.

Alkylahing agonto are bind to

Ondowne at NI, N3, N7 POSO KO

O Guantine at N2, N3, N12 Posiko

O Cylostine at N8 Posiko

Thiammen at all Positions

stands is called Photos shand albertation.

- Altering the base ratio within should is called interstand

Interstant of the Avanti

- PRINCIPAL

& Mechlore than Sic. rethylambre cyclocthance checkbance checkbance H3C-N < CH2-CH2-CH2-Cl - MOA : It bend to avaning at 7 resulting course linkage of ann. Parentes: - right hellow colar - slightly soluble in water + riscible in OMF, chloookom (CHCls), casbookerachloside (CCLy) Board names - Highly toxec torbaindiator: mustaggein valchlos In backery ist 3) cyclophasphanfide P hosphoods Bis-chlowethyl anse oxy chocke - CIL CH2-CP - PRINCIPAL Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist.

at kind to guarine at 7 both inter short of introde it within stornal) respectively). There by result in cross linkage if and and from him of miscodar leading to cell anombes of

ADPROKES.

a Insoluble in the

- Slightly soluble in ccla,

acetone retices

Board names

oncoxan

poxan

cycloyan erdamade. ste chale.

+ Low WBC

- Infertility.



* Melphalan : . phonyl alanshe 2000)-CH2-CH1-COOC2H5 (2H50H), HCD 1 H2-Pd -ct/2.ch-(00(21/5 R 3) NaoH 2) Socha 13 HcD 0)-cH2-CH - COOH Gunthapally (V), Hayath Nagar (M),

The affactures to reclarate base thereby affect the Ronge Ready Dist. Avanthi's Institute of Pharmaceutical Science masent in realthy shibitor of and south synthesis. recessary to survival of cert.

*ABDINIADUR

sa click. provides: while colors IT is freolible in water + are massew serression , souble in papelore glycal and delute mineral acids. Board names: , In soluble in chicofrom, ether Melfan melfalax ethanal. Alkedan. s chlorambuil : - ancerts like reseast concert, rick and a controls exchite only bide. H3c-E-HN (0)-E-CH2-CH2-COOH Acetyrobalicae

Q- (112 CH2 - CH2

MOD: It works as 3 store as follow

O Attachment to base and a Kylahog it brig determined by the Parsasite engine.

@ Znhibition of ona & RNA Synthesis

3 Formation of Patrice Roccon.

Avanthi's Institute of Pharmaceutical Sciences

Hayath Nagar (M),

Hayath Nagar (M),

Ranga Reddy Dist.

Ranga Reddy Dist.

. २०५०माच side effets. - whele constaline 4 Bore wooden glasser.a) + Insoluble on water - Enfestly. * Salt of social of chlosophucia solute in ethonoral Band names : acehne ichcla Leukaran - 2 mg chlogamax - 2mg Leu Karan - smg Chlosamax - smg * Thiolopa :-Ethylen imme Sulpo chloside MoA: It brids to the base guarine at 7th in all shages of collegele thereby shibel on a synthesis.

POROKES.

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e otheral, etter, acchone

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· Bore masseu surregio اهن سهد

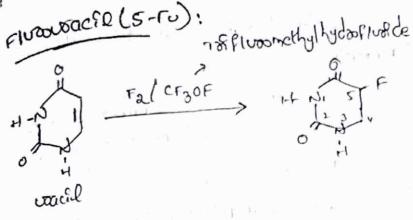
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a Busulcan: 2 + 2 CH3 - SO2 CD ctto-ctto-ott methane outore 1.4 lial sulfage chiconde HOA : of weeks by Posting interstant cass link the granine Eaderine of blu guantre. & guartre which raunt on adicator. . The guarance attach to the carbon next to mesylate, monther: side chik: Beidures, emess. Thrombacybronia ind soulder HOD - soluble in acchance Band nond · Myleson, mysol Qualifix-IV, Bueclon. & coomustine: re-ch_ch_2-NH-E-NH-cll2-cll2-cll2-0 Bis (2-chicacethyi) was CR-CH2-CH2 FNH-2-00-CH2-CC MOR . It have interstand cass link blu quantic & parient and restriction partolics. Board names. · Ught yellow + mosely solute in water BiCHO a soluble in alchalacelue. Caom-PV Cosmother so estelland on his Housea, 1085 of appelle pushing , eye achess Avanthi's Institute of Pharmaceutical Sciences

> Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist.

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Comustine:
                  410-cH2-cH2-NH2 + OCN
                 ethanal ambre cyclohexyl
                                                -> OH-CH2-CH2-NH-C-NH-C-NH-C
                                   iso cyanate
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                                 Avanthi's Institute of Pharmaceutical Sciences
                                  Gunthapally (V), Hayath Nagar (M),
                                        Ranga Reddy Dist.
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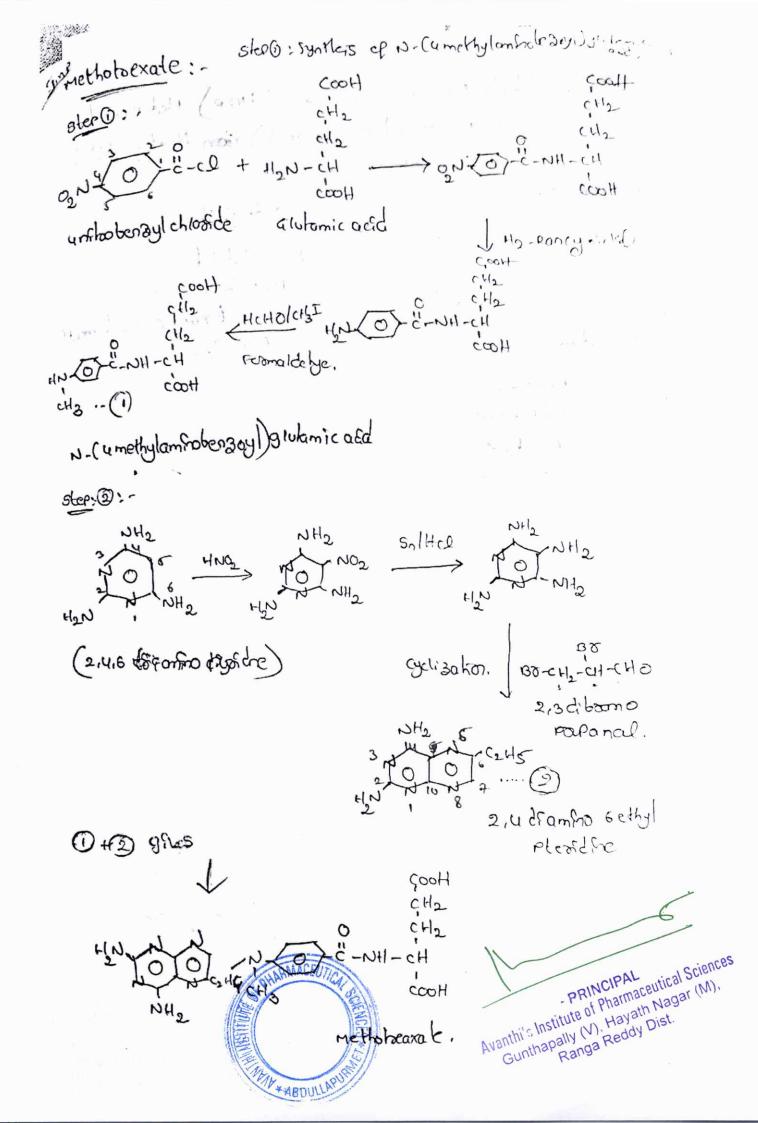
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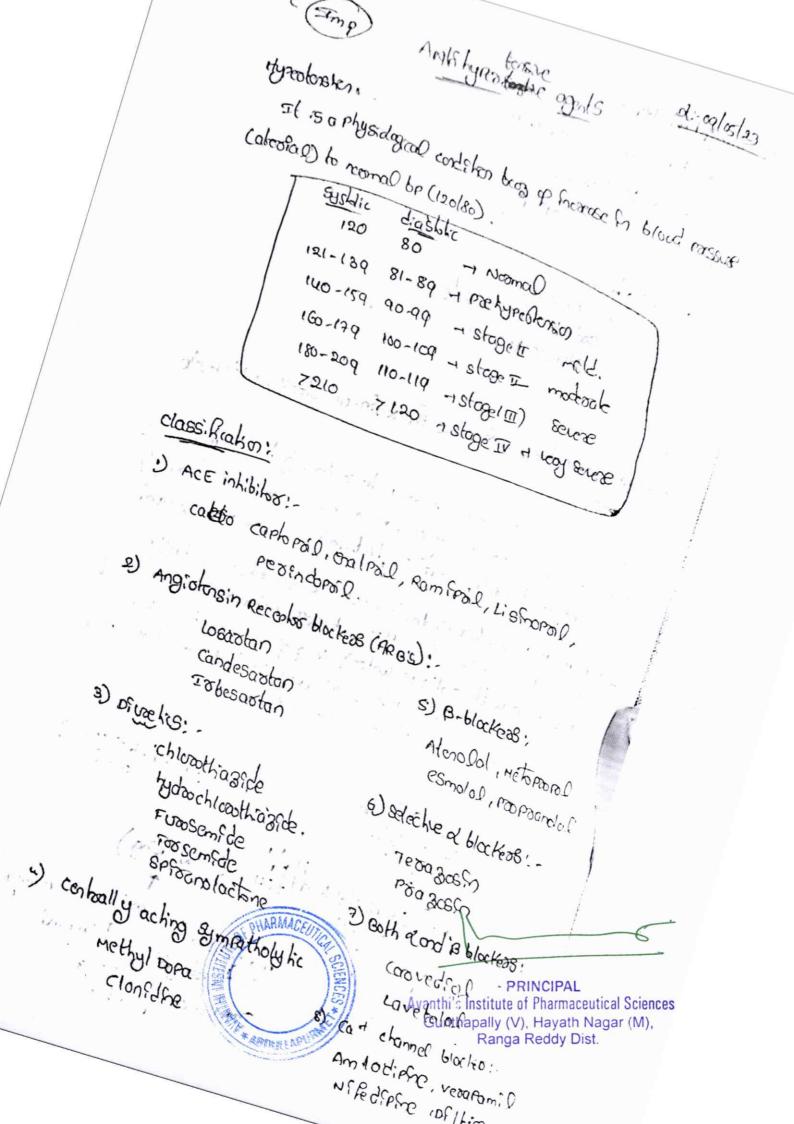
Board momes! -

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- PRINCIPAL

Amis hymotophe gods throloses. If is a physiological confilm bear of measure in blood massure (alcohal) to reamal bp (120/80). And more 121-139 - Noomal 81-89 -1 DEFAREDERSON 140-159 90-99 - stage IT 160-179 100-109 - stage I modrate 180-209 110-119 -1stage1111) &crese 7 120 1 stage IV 1 way serese classification:) ACE inhibitor:catto caphopol, onlow, Romspol, Listropol, 2) Angiotonsin Recorbs blocked (ARBS): Candesastan s) B-blakes; Irbesartan : : 25/ 350 (E AlenoPol, Métopopol esmolal, proporandal chlosothazide 6) selective of blackers: -Hodoochloothaigide. Fuasconide 7e003055 roosemide sprocholoctore P308 059 3) Both Rond is blockers " contrally acting sympatholytic methyl Dopa (correction) - PRINCIPAL Lave Yanthi's Institute of Pharmaceutical Sciences
Care Chapally (V), Hayath Nagar (M), Clonsider 8) cost channel blocks: Ranga Reddy Dist. ABDULLAPUM SER DEPER OFIL:



9) Gangol mic blacker: Acotologiam, clonadiam. 19) * Neustral blocker ! -'Ad energic Reserve ") vasodila has. awnothed the state of down of one Mmoxidal sociem nitro passide Hydra Bas Fre MOA: Anhihypeotosile dags of hacke the kinin-angiolensin-aidostoole atich conste organism I to sont arbotism II, those laws the above law restorce, increases the soveras carracily 80 there is decreases and ac outrot index, shoote wask, volume 7 RT-II is less, there is les in adosteone Secretion, eventully boody king inchases. Athornes is cercercha? Not along with obligate water) beorg of low desis long blood rester on kedney and setain phassium, and of now wo wind with leads to blood resistance as a result of laves the blood pressure. SAR PACET. leads & shooks disokn · Lacker Soons that bod Jennessen methyl gop relambles chafe of alongo Gunthapan,
Ranga i Gunthapally (V), Hayath Nagar (M), compard cooding achie Ranga Reddy Dist. Promerci

MOA: It blacks the conversion of angiotensin-I to angiotensin I waso conshiction raimate vasodilation.

Appropriate.

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6

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

MOA:

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Properties:
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side effets.

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PRINCIPAL

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



y veda Pamil 3.4 dimethoxy phonyl isoparyl chrosce acelonsibile 2(3, u dimethoxy. phony) smethyl - bubynitole to contract delicity connects the endiness of i Avanthi's Institute of Pharmaceutical Sciences Günthapally (V), Hayath Nagar (M), Ranga Reddy Dist.

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och3. Loot Hco-To)-CH-CH-COOCH3

CH OCH3

CH OH

COOH

2aminothiopheral

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CHCH-COOH

MOA :

•

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ABDIII APURI

- PRINCIPAL

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Gunthapally (V), Hayath Nagar (M),
Ranga Reddy Dist.

PHARMACE SCENE SOLUTION OF PHARMACE SCENE SOLUTI

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POORED MOS!

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- white constalling
- 7 Solible for methanol, ethonol
- " Ensoluble in CHC/3

Side CFFects

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Ateksod Atelol

+ 29 CH3CO B- Napthelene (0) epic hlooo hydoina

MOA!

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PRINCIPAL

140

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atte contains
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- PRINCIPAL

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ssée errels:

-> Headache

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Board rames:

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· clothalston

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1

cH2-6-CH3 + KCN + (NHU) CO3 . Phopyloce fore.

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POROLES

+ yellowish whote colas

+ soluble in water, chrosofrom

Scroporal

ward name.

copagy!

Al domet emdopa

Aldopa

side crek

Allergy, lives rooblem



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Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist.

Anti-nooythmic agents

Aroythmas:

conduction of electrical imprese, which are responsible to the depolarization.

- Distaborices of obore one's after aregall cooliac Rachier.

Action of roterial of cascia c cell:

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or Rapid dendos sabos Cinford Nati

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2+ Plateau (K+ Plow, Natioss)

37 Repulsos Zation (rat, not flowsh.

K+ Flow 1)

From Nat infl

Estow Nat inflaw Kt

classification: (vaughon willion's classification)

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Ic: Little 60 1000 deplossakon,

Encainfide Frecainfide Poopa fenore

PHARMACEURA SEENSES

PRINCIPAL

c1086 11 !pradagicic blakess Amindone poparal solated. Acetutal Esmolol class : IV : Cat channel blocks His Bellianeas ogch, @ pro camamide: : de de alla collection de blat alla collection de 02N TO-6-cl + H2N-CH2-CH2-N-CH3. unshoobersaylchoos de Nindimethyl ethelyne ambre.

Reduction ODN OFE-NH-CHOCKLE NICH, 15N O - c-ct/2-ct/2-N-ct/3 mos: It act on Natchannel of head muscle thereby blocks son gated closures (intercellular or extracellular closures) Nat channel gates close poorcolics. Brand mond: -1 white-ton colors Pronesty & tab - soluble in glyceoal + insolute on waters Abonesty & INI chloo Roro. side ellek; - PRINCIPAL Hypotonsion, shak Avanthi's Institute of Pharmaceutical Sciences Gunthapally (V), Hayath Nagar (M),

Ranga Reddy Dist.

2.6 diretty antine

MOA: It raises threshold of action rotential, so there is in increase & automfely.

+ cidocame has high ist pass metabolpam. so used as parantina It is also used as local arenesthic.

+ Yellauish whole colab

* Enaluble in cottcls, 420, ethoral

Board rame.

Resocaine

Gesicaine.

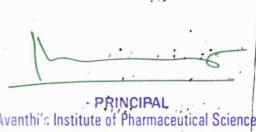
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86 कि ।

Tobule in vision

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Tingling



It padect seizuas by causing voltage dependent black to voltage gated nat channel, thereby slowing the upstrake of

paresties:

- , whole constalline
- , soluble in chlooofcom, ethonal

Board names:

celetoin oilantan Epinal phenytal side cliebs:

Relinghand, of 33 hass confission.

in odmornia.

PHARMACE ABOULLAPURNICE

MOA: it blocks Nat channel, so slowdown the upstroke of the condiac Roberital and also decreases cardiac contractiffy.

partedies!

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Board names.

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Tocom Tombocord

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classification:

1) Notoates:

and the metrogly wood

(12 6) TEOSCOST to Emckate

Sodium niloste

Amyl nitoite

3) B- Blockers:

Paponal

u) 1,4 dihydarysidec:

Note do pose

5) cat channel blocker: -

ver a Romi D. piltiagem

e) alycostde: - Digoxfn, Digitoxin.

2) miscelleaval !- ASPista

MFoFlog Crossy Traff Phan Ranga Reddy Dist.

Avanthi's Institute of Pharmaceutical Sciences Gunthapally (V), Hayath Nagar (M),

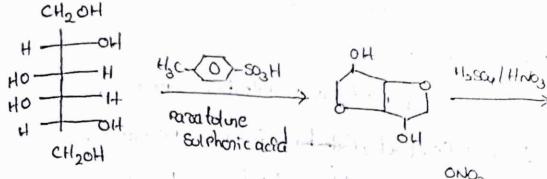
8) vasodalahos: :- Historida Q

Hy doa 103 Se.

BOULLAPURME

MOA (Nitrate / Nitrate) 1 [Ide hyde dehyd xxyenase] They are converted to matric exide (NO) I Reyclic averyl achates 9,40] right myosin chain par - right myosin chain Relaxation and contraction. Coercease Sinteraction 6/10 achn & mysin flow) also + Sn sclaration. a organic nationes or nationes concepts to no by obose machiew chool. @ netoglyceool:-CH2-OH CH-OH CHZOH . (alynezos) Paoreblies: Sice effets: - Liquid. light yellow das 19 htheodress - Immescible in water, bensere bluxed uson. ं कर्वेक्क्रिक्व भूभी Board names: notral No pool Acess - PRINCIPAL

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PRINCIPAL

ANT HYPERTIPIOEMEC MUCHOS .:

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Pluvastakn

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8 cm vastation

* 48 DULLAPU

2) Fibrates

ciofibrate Fenofibrate cipo Piboate Benzalibabe Gen P. 60035D

- PRINCIPAL

2) of le acid sequetales! cho restyrance corestirol

6) cholestoool obsorphon.

Ezoti Ezetimile.

us LOL oxidation in Liberto

a) Miscellaneas:

Poobucol

Dexhoolyaoxine

s) pyofdine desivative

p-scholeral

nicolinamide inicolonicada

Synthesis Asperigatives terrores +

redictase, which is responsible his convension of HMG COA to melavoric acid.

soluble in OHF, upo, ethoral

remnf. Ing, diosohrea

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Altocop

Advicas

MOA '

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thor side effets some clopped:

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4 results of the first tongie clop. back

4 results of the first tongie clop. back

& colostrol:

112N-CH2-CH2-NH-CH2-NH2 + CR-CH2-CH-CH2

MOA .

It rounts the absorbion of life acid. so the decirculation of like acid storped that leads to synthesis of new bile acid from cholesteal, assulting it in chalestead level in theo.

rarester.

> rolymes

- Insallefr 140

Bourg romes

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Colesloby And Thought & And Th

- PRINCIPAL

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HOA ! It inhibit LOL axidation, there by decreasing cholesteral level also LOL revel in blood stream.

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coagulant & Ank coogulant

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O Phospholerid.

coagulant + enchance roagulation

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@ vit K (synthetic)

a) Fat soluble Menadfore
Acetomena Pthone

b) water Solible: -

Menadione sodium bisulphate.

@ niscellaneal ;

vessel. Fibofnogen - present in body

ressel. Fibofnogen - present in body

Rutin - plant-glyrosede

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act ·



- PRINCIPAL

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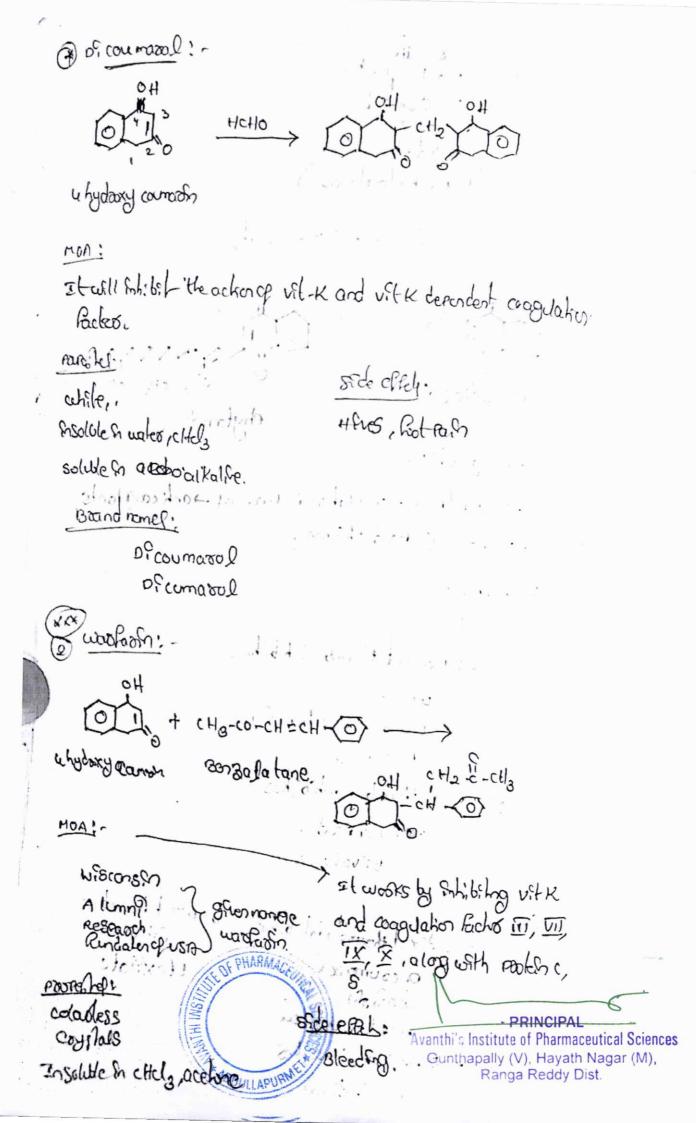
6) aforch thambin

Etexilate

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OULIAPURME!



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3 Encorage & mad we forces the anticograph PHARMA - PRINCIPAL ithi's Institute of Pharmaceutical Sciences funthapally (V), Hayath Nagar (M), Ranga Reddy Dist.

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should zenasi constant

Code No: PH305

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD Pharm.D III Year Regular/Supplymentary Examinations, June/July - 2022 MEDICINAL CHEMISTRY

Time: 3 Hours

Max.Marks:70

Answer any five questions All questions carry equal marks

1.a) b)	Write about importance of Hansch analysis, Taft constant and Hammatt constant. Write prodrug approaches to improve solubility.	[7 +7]
2.a) b)	What are preservatives? Give classification. What are anthelmentics? Classify. Write synthesis of albendazole.	[5+9]
3.a) b)	Write a note on antimalarials. Classify them with structures. Write the synthesis of chloroquine.	[5+9]
4.a) b)	What are anti-neoplastic agents? Write Mechanism of Action. Write the synthesis of methotrexate.	[7 +7]
5.a) b)	Write a note on diagnostic agents. Give a note on Adrenocorticoids.	[7 +7]
5.	Write the classification, MOA with structure of hypoglycemic agents.	[14]
7.a) b)	Write the classification of Diuretics with structures. Explain synthesis and MOA of Furosemide.	[5+9]
8.a)	Write the classification of anti tubercular drugs. Write the synthesis of Ethambutol	í 5 ±91

---ooOoo---



Code No: PH305

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD Pharm.D III Year Regular/Supplementary Examinations, July/August - 2021 MEDICINAL CHEMISTRY

Time: 3 hours

Max.Marks:70

Answer any five questions All questions carry equal marks

1.a) Explain Lipophilicity, Electronic parameters in relation to QSAR studies. What are prodrugs? Explain different types of prodrugs with suitable examples. b) [7+7]2. Write the structure, mechanism of action and therapeutic uses of a) Clotrimazole b) Ciprofloxacin c) Isoniazid d) Metronidazole [14] Classify antimalarial agents with suitable examples. 3.a) Give the synthesis, mechanism of action and adverse effects of: b) ii) Proguanil. [4+10]i) Chloroquin Write the mechanism of action, SAR and uses of Cephalosporins. 4.a) Explain the plant products used in cancer treatment. [7+7]b) Classify antihypertensive agents with examples. 5.a) Write a note on HMGCoA reductase inhibitors. b) Give the synthesis, mechanism of action and uses of Amlodipine. [4+5+5]c) Write briefly on platelet aggregation and inhibitors. 6.a) Write the SAR, mechanism of action and uses of sulphonyl ureas. [7+7]b) Explain briefly on thyroid hormones. 7.a) [7+7]Write the functions of pituitary hormones. b) Write the synthesis, mechanism of action and uses of: 8.a) ii) Acetazolamide i) Hydrochlorthiazide [8+6]Write notes on sex hormones. b)

---00O00---

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AVANTH! INSTITUTE OF

PHARMACEUTICAL SCIENCES

PHARMACEUTICAL SCIENCES

Gunthapally (V), Abdullacumet (M),

R.R. Dist. Telangena.

AVANTHI INSTITUE OF PHARMACEUTICAL SCIENCES

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

III RD YEAR -MID I INTERNAL EXAMINATIONS

Subject: MEDICINAL CHEMISTRY

TIME: 2 hr

Marks:30

MID-1

- 1. Write the SAR mechanism of action brand names of anti-neoplastic agents.
- 2. Write the SAR chemical nomenclature of anti hypertensive agents.
- 3. Write the synthesis, mechanism of Action chemical nomenclature of anti arthymic agents.
- 4. Write the SAR of anti anginal agents vasodilations.
- 5. Write mechanism of action and synthesis of hypoglycemic Agents.
- 6. Write synthesis chemical nomenclature, brand names of anti- malarial drugs.
- 7. Classification of Anti-Fungal agents

8 write about the ketonosol synthesis and mechanism of action.

AVANTHI INSTITUE OF PHARMACEUTICAL SCIENCES

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

III- YEAR II - Mid internal Examination

Subject: MEDICINAL CHEMISTRY

TIME: 2 hr

marks: 30

MID-2

- 1. Write About QSAR And CADD.
- 2. Write the synthesis of anti viral drugs (any 3).
- 3. Explain in brief about anti infective agents .
- 4. 4. Write a brief about sulphanomides and sulphones.
- 5. Write the SAR of snit-malarial drugs and its mechanism of action.
- 6. Write the synthesis of any 2 anti- biotic Drugs.
- 7. Write about ciprofloxin synthesis ,mechanism of action,and its adverse effects.
- 8. 8.Classification of Anti-Anginal Agents and synthesi of any one of the drug and mechanism of action

Avanth

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



INTERNAL DISCRIPTIVE EXAM



Ranga Reddy Dist.

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r	SIGNATURE OF THE STUDENT	TOTAL MARK	s 28
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a	Discontitutive Structure - acti	vity relationships	(ASAR) have been
	applied for decades in the	he development o	of relationships between
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	act ties, -3t obtain a seliable sta	tistical model to	prediction of the
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	He isticemethod (HM)	. 0	1 1 21 course with m
	- OSAR is important for	or drug discovery	ile - based ML method
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b)	CADD-		and attitude
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X	ph gan,	15011	thi's Institute of Pharmaceutical Sciences unthapally (V), Hayath Nagar (M),

*ABBULLAPUR

Antivisals are medications that help your body fight off certain viruses that can cause disease. Antiviral drugs are also Preventive. They can Protect you from getting viral infection 53/30 spreading a virus to others. These are lassified into according to their Chemical nature fx - Small molecules, peptides, biologics N TO M-mon TO I - Inactive extracellular virus particles. - Prevent viral attachment and loventry. - Prevent replication of the vixal genome 9458 - Prevent synthesis of specific vival Proteins. - Prevent assembly or release of new infectious. -CH2-0-(H2-CH2-0-(H2-C) CH2-0-CH2-CH2-0-CH2 (Hexametry disilazone) - UGAS NHZ

Sulfone

sortene is an organic compound containing a sultony | functional.

(H2-0-CH2-CH3-OH

Acycloris

- exidation of throesters and sulfaxides .
- Impostant to extract valuable aromatic compounds from petroleum in the manufacture of Polymer materials in Pharmacology, etc.

Sulfoxide

- sulfoxides are organic compounds containing a central sulfur atom attached to two carbon atoms and an oxygen atomo
- central suffer atom attached to two single-bonded carbon atoms and a double-bonded oxygen atom.
- oxidation state of solphux is ty.
- oxidation of sulfides in the prescence of oxidants such as hydrogen peroxide.
- using as solvent, used in the Production of some drugs such as esomeprazole, as catalysts ete-

3) Anti-Infectives are medicines that work to prevent or treat infections, they include antibacterials, antivirals, antifungals and antipasasitic medications.

-Anti-infectives is a general terms used to describe any medicine that is capable of inhibiting the spread of an infectious organism or by willing the infectious organism outright. This term encompasses antibiotics, antifungals, anthelmintics, antimalarious intronosozoals, antituberculosis agents.

- voincesy tract infections can be streated with many drugs sulfoamides, quintotones and tother Avanthis

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-Anti-infective are drugs that can either Kill an infectious agents or inhibit it from spreading.

- Anti infectives include

antibiotics and antibacterial.

- an to fungal

-antiviral

- antiprotozoals

- Anthelmintis

The avoinoline - containing antimalaxed drugs, chloroavoine, avoinine and mefloquine, are a vital part of our chemothera peutic armovry against malaria. These drugs are thought to act by intertering with the digestion of haemoglobis, in the blood stage of the malaria life cycle.

- Artemisinin is believed to act via a two-step melianism.

Artemisinin is first activated by intraparasitic heme-ison which catalyzes the cleavage of this endoperoxide.

- A resulting free radical intermediate may then will the Parasite by askylating and Poisoning one or more essential malarial Proteins.

- chloroavine is the Preferred treatment for any parasite

malarial agents by shunting FP away from natural harm bitters and into toxic drug = FP complexes.

Limitarial drugs work by killing the parasite present in the

6) The first total syntheses of a variety of antibiotics have been a complished by using carbohydrates as a chiral sour The key target molecules were members of the Big Four crasses of antibiotic Crucrolides, aminoglycosides, B-lactams a tetracyclines), napthoquinone antibiotics and their relate antibrotecs. - synthetic agents include: sulphonamides, contrimoxazole, avinonlness, antivirals, antifungals, anticancer drugs, anti malarials, anti-tuberculosis drugs, anti-teprotics and anti-Protozoals. - An antibiotic is a type of antimicrobial substance acti against bacteria. It is the most important types of antibacterial agent for fighting bacterial infections, and antibiotic medications are widely used in the treatment and Prevention of such in fections. They may eithor kill o Phhibit the growth of bacteria. A limited number of bacteria antibiotecs also possess antiprotozoal activit Antibiotics are not effective against such as the one which cause the common cold or influenza drugs which Enhibit growth of viruses are termed antiviral drugs or antivisals souther than antibiotics. They are also not

fungi are Called Cantifungal drugs

effective against fung? drugs which inhibit growth of

Avanthi's Institute of Pharmatoutical Sciences
Gunthapally (V), Hayath Nagar (N),

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BOUNDAUS S,

-Antiblotic also referred as antibacterial is a type of antimicrobial drugs used in the treatment and Prevention of butterfal infections. They have the ability to kill bucterra or inhibit the growty of bacteria. some antibiotics also harbor an teprotozoal activity. Medicine was revoluti -onized by antibiotics in the 20th century. - However the features of being arvite effective and easy to obtain lead to overuse and Prompted bacteria resistance to au kinds of antibiotics which has also caused widespread health problems Such as Prolonged Plinesses and more deaths. world Health organization classify anti-microbial resistance as a serious threat is no longer a Trediction for the future it is happening right now in every region of the world and has the Potential to effect anyone, of any age in any Country. In addition the number of novel antibiotics or therapeutic modalities under

Therefore It is vigent to explore available methods and drugs with potent bacterici'd as activity but does not deteriorate bacterial resistance. This a novel therapeutic modality with the potential to treat bacterial infections has emerged that consist of an AAC, which combines the Key attributed both antibody and antibiotic in a single molecular

Classification

on their enemical structure, me changem of action, or spectrum of activity.

growth processes or tenctions. En detail, penicille and cephalosporin target the bacteriat cell was polymyxins aims at the cell membrane, Rifamycins, liparmycins, avinolones, and sulfanomides transported with critical enzymes bacteria.

Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist. Forther Categorization is based on their target specificaty nassow-spectrum antibiotics target Particular types of bacteria (Gram-negative and Gram positive) where as broad spectrum antibiotics affect a majority bacteria-e

brought into (unical use: Cyclic IPPopeptides.

(such as daptomyein)- lipopeptides.

(such as tigecycline) - glycylcyclines.

(such as linezolid) - Urazolidinones.

(soch as fid axomicin) - lipiany lins.

Edamples

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INTERNAL DISCRIPTIVE EXAM



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- The mammal home is toxix for many site. So passeste make those home into insolve pet by polymedization.
- -) chloraming to insoluble home ppt making more home resulting in soil laulo killing of parasite.

mon: It profesitions accumulate into systeme of the paraette

classification:

- * Chemical classification:
- chiedoquin & Quinine quinoline quinine me floquine

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classification;

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Chylonicons (ULOL) -> bitoor low donsty lipopolein

classification ?

1) HMG EO A reductore Inhibitors Lovastatin



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2) FibRanga Reddy Dist.

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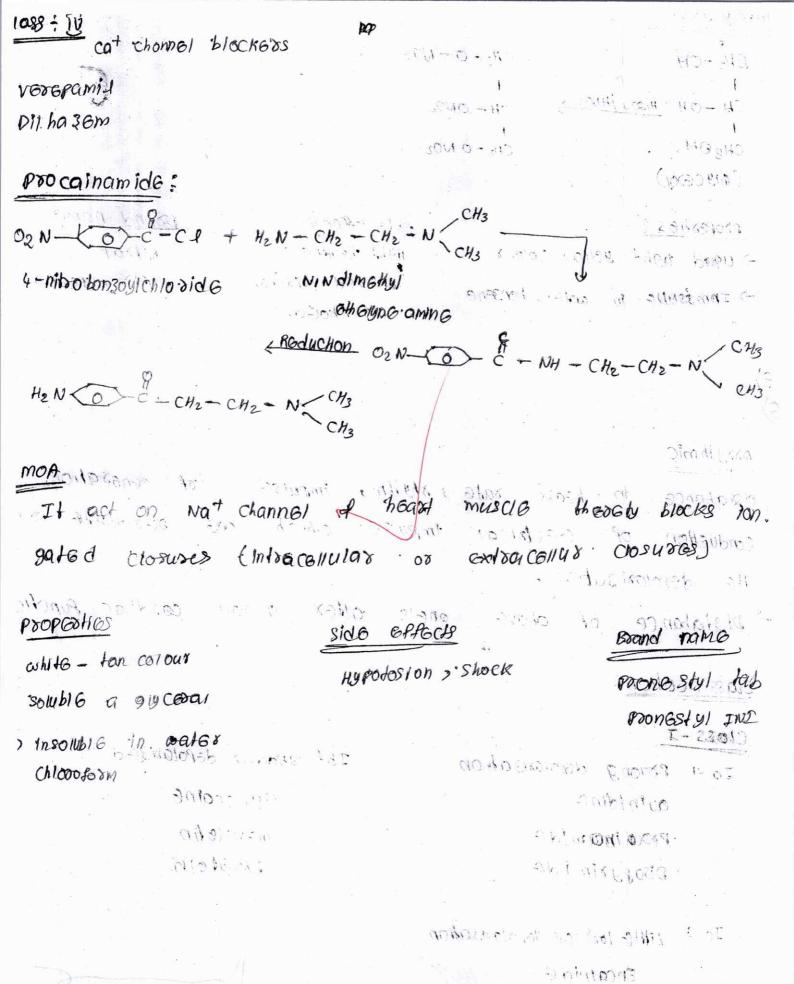
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- 2. Introduction of (N) to expand from 14-15 to give bottor spectrum kign edythologycin,

 Eg: (Azikromycin)
- 3. The possence of dimethyl Amine in one sugar give

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olongation of poly reptide chain resulting protein synthesis inhibition.

Properties

- -) yellow exystals
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31de offect



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Ranga Reddy Dist.

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C-202 31 -

Medicinal Chemistary

ASSignment - I

Name :- M. Akhila

class : pharm-D II you

Rall NO = 196NITO008

topic ? Antifungal agents and it's vies.

submitted to :- U. Rishika madam



Antitungal agents.

Antifungal daugs able used to talent fungal affections on the skin, scalp, nails, vagina on inside the mouth. These medications come as calcams, gels, lations, contracts, purdens, shampoos, finctures and sprays. Most artifungal daugs induce fungal cell death by distroying the Gell wall of the fungus. These daugs inhibit the production of choostold, which is a fundamental component of the fungal cell membolane and wall.

Antifungal doings are generally classified according to their Chemical structures and their Conversional mechanism of adions are azale antifungals, polyene antifungals, and other antifungals.

Azale antifungals, and other antifungals, Azale antifungals.

Contribit the enzyme that converts lanosterial into enjoisterial.

Common examples of PHAMMARA

contitungals include detaimazole

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Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist. ecanazole, Ketocomazole, miconazole, and fioconazole.

The Only polyene antifugal available topically is nystain, which works by binding to eigesterol

Hus dissupting the integrity of the fungal (ell membriane. Similar to azoles, allylamines dissupt the fungal (ell synthesis through inhibition of the Squalene epoxidase enzyme.

Hind convoits squalene sinto eigosterol.

Gly lamines antifungals comprise amountin, nature and tellinatine. The last group consists of antifungal drugs with a different mechanism of

action than the other three classes.

These daugh include benzoxabasiale antifungals, eidepiriex alanine antifungals, this contempats artifungals and undecycleic alkandamide antifungals.

contituingal may come with side effects Such as ticking and local identation. They can also interact with food and different modications. Theretoole stopical artifungals should be with contion & with advice from medicinal parofessionals. Azole antitungals: Azole ortitungals one generally divided into two groups, similazdes and toliazoles Common examples of smidazdes include detainmaile econazole, miconazole, Keto conazole, utile flucanazole ataracanazole, posaconazole and Variconazole fail Cause Substantial group , Both Samones un fungal memborane integrate by lowering engosterial levels, along with loss of cataplasmic components similar effects to the polyene thus boinging artifungas. - PRINCIPAL Avanthi's Institute of Pharmaceutical Sciences Gunthapally (V), Hayath Nagar (M)

Ranga Reddy Dist.

Mechanism of adion'-Attale antitungal doings exert their effects by anhibiting the synthesis of the stood components of the fungal memborane. Azdes are paedominantly tugistatic which inhibit the growth of the tungs instead of litting the tungus. At these dangs target the eigosteral biosynthetic pathway by inhibiting the (-14 a-denthylase a goto chrome Paso entyme , thus portenting the demothylation of lanosterol to eigotheral which it an essential component of the tungal cell membrane. The impaired whe of synthesis of egosteral leads cascade ét membrane dejets. Hence fungal cell gotath is inhibited due to the disorpted stoucture & function of the memborane.

Glinical Use: Nystation is Used topically for the treatment at condida injections of the skin and mucous membranes. · Osal Cardidiasis (sal though). Commonly wheel in toralment of lessions of the mouth-caused by Qual candidiasis. The doing can be formulated in partitles or Suspensions and is dividly applied to the affected adies. After application, patients should avoid taking food on downk for an how to allow Sufficient time for the doug to got 315 effect locary. Oad institution on Servitation may occur in some patients after applying the doing to the Osial membsanc. Avanthi's Institute of Pharmaceutical Sciences

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Mystatin in the forms of Oreans Dintmon on powders can also be when to toreat fungal infections of the skin. The medication is directly applied to the affected area at brown a the same times on a daily basis.

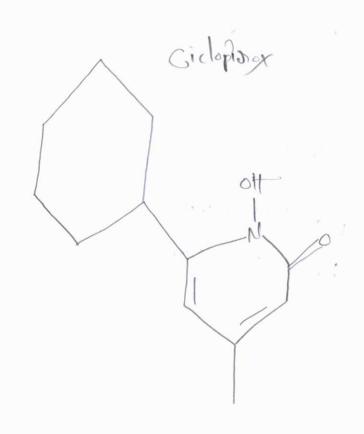
busing sensations in the area where the day is applied while some may develop another of hives on anote occasions, patients may have difficulty bareathing as swallowing after topical upon of Nystatin

Vaginai Confedions

Mystatin it also used to treat fungal infections, in the vaginal areas it is commonly formulated into personne or vaginal Green too application.

Ciclophorox as a synthetic antifungar agent four topical domatologic toestment of superficial mycoses.

It is most useful against timea versicales. it is often used clinically as cidopidex olamine, the olamine soft of cidopidex.





clinical data many

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PRINCIPAL

AVANTH: INSTITUTE OF
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R.R. Dist. Telangana.

Edicinal hemistry

Name = M. Kavya

Class :- pharm-D III year

Roll No = 19 WN1700=6

Topic About Antibiotics

Submitted to :- U. Rishika madem



-: Introduction To Antibiotics:-

- => Antibiotics were a major discovery in the 1920s.
- => Major Source of Antibiotics.
- =) Those main Antibiotic Mortargets in bacteria.
- =) Five boisic mechanisms of Antibiotics Action against bacterial cells.
- =) Side effects of taking Antibiotics.

Introduction to Antibiotics And its Discovery.

An Antibiotic is a type of antimicophial substances active against bacteria. It is the most important type of antibacterial agent for fighting bacterial infections, and antibiotic medications are widely used In the treatment (of) and prevention of such infections They may either kill or Inhibit the growth of bacteria.

In 1928s, at st. Maryls Hospital, London, Alexander Fleming dis covered penicillen. This discovery led to introduction of Antibiotics -that qually oucluded the number of deaths from Infection

- Flemping was it seems, a bit disorderly in his work and greadenthy pliscovered pencillin

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Ranga Reddy Dist

Need for Antibiotics

Antibiotics are only needed for treating certain infections coursed by bacteria. We vely on Antibiotics to treat serious, life - threatening conditions such as pnemonia and sepesis, the body's extreme response to an infection. Effective Antibiotics are also needed for people who are at high risk for developing in fections.

Antibiotics as a major discovery in 1920's

The discovery of penicillin changed the world of medicine enormously. With its development, infections that were previously severe and often fatal, like bacterial andocardities, bacterial menigitis and pneumococcool pneumonia, could be easily treated.

Antibiotics were widely used for treating Soldiers during World was II, caring for battle wound infections and pneumonia. By the mid-to late 1940's it became widely accessible for the general be public.

Major Bource of Antibioties:

Antibiotics commonly are produced by soil microorganisms and probably represent a meours by which organisms in a complex environment, such as soil, control the growth of competing micro-organisms. Micro-organisms that produce antibiotics useful in preventing or teating disease include the backeria and the fungi.

Main Antibiotic torgets In bacteria:

- The cellwall or membranes that surround the bacterial cell.
- The machineries that make the nucleic acids

 DNA and RNA.
- The machinery that produces proteins (the sibosome and associated proteins):

From of taking of Antibiotics;

- Antibiotics constitutione growth of and kill

*ARTHLAP!

many types of Infections.

-In Some cases, such ois before surgery, Antibiotics can prevent infection from

occuring.

- Antibiótics are fast acting: some will begin working within a few hours.

They one easy to taker Most Antibolics.

In principle, there are three Main Antibiotic targets In Bacteria:

- The cellwall or me

Fre Basic Mechanisms of Antibiotics Action - Agarnst Bacterial Cells:

- Inhibition of cell wall synthesis (most common mechanism)
- Inhibition of protein · Synthesi's (+sansla (-tion)
- Alternation of cell membranes
- Inhibition of Muchic acid synthesis.

- Antimetabolite - Activity.

The vibosome is a major target for Antibotics. Drugs inhibit aibosome functions either
by interfering in messenger RNA translation or
by blocking the formation of peptide bonds
at the peptidyl transferase centre These effects
one the consequence of the binding of clauss
to vibosomal subunits.

Side Effects of taking Antibiotics:

The most common grade effects of Antibiotics is, it affects the digestive system. This happens around I in 10 people.

- Nomsting.
- Nausea
- Dia schoea:
- Bloating and maldigestion.

* ABDULLAP

- Abdominal poin
- Loss of appetite

- development maceura eMR (Antibriconbial resistant ound cumulative visite of adverse events

An antibiotic is a type of (antiborc) antimocrohial substance active against bacteria. It is the most proportant type of antibacterial agent for fighting bacterial infections, and antibiotic medicotions one widely used in the treatment and prevention of such infections. They may either kill or inhibit the growth of bacteria.

Antibiotics are medicines that fight bacterial infections in people and animals.

They work by killing the bacteria or by making it hard for the bacteria to grow and multiply. Antibiotics can be taken in different ways.

Antibiotic Resistance What You can do:

Antibiotic respectance happens when bacteria change and become resistant to the antibiolis used to treat the infections they cause.

- O Only use antibiotics when prescribed by a certified health professional.
- of Always take the full prescription, even if

- 3 Never use lefte over antibiotics.
- 1 Never share antibiotics with others.
- 5) Privent infections by regularly washing your hands avoiding contact with sick people and keeping your vaccinations up to date.

Sin Smalt Facts About Antibrotic Ose:

- (1) Antibiotics are life-sowing drugs.
- (2) Antibiotics only treat bacterial infections
- 3) Some ear enfections do not inquise an antibiotic
- 4. Most Sore throat do not require an antibiotic.
- 3 Green coloured mucus 9s not a sign-that an antibiotic is needed.
-) There are potential visks when taking any pres cription

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Ranga Reddy Dist.

Conclusion:

Antibiotic resistance has increased worldwide in bacterial pathogens leading to treatment failures in human and anomal infectious.

Resistance against antibiolics by
pathogenic bacteria is a major concern in
the anti-Infective therapy of both
humans and animals.

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R.R. Dist. Telangene.

TOUTC-I

* Epidemidogy ?

Riominguala

It the aturn of distribution of the Alread

and ets determinants (factoria causei) in a group of population

#Pharma co epid emitogy:

It is riting but application of principles of apidemicograp

18ke drague, and the effects in a population.

ten the early days of closely who reathon 5 the ADR's of a particular

any are not reported because of the inadequate esnocal todas

- Liver de "risult of much but blimented there in a bus pens with cample offe and with exclusion interra.

-t offer the reporting of case reporte on a condition leke morning statues to the prign ant women, the origin of ADR Reporting

case reports are noted to the pregnant women who wed a drug like That relamide goes birth to the basty

who are having physical marroll u (3) M Barto moderal

Grey baby's syndrome is oven in women who use a
drug une chloramphinscol
D'ungenal concer was reported en the offering,
the mother who we dreshy refill brestrol whith while and
and of an article description of the
This Solam - Aux sely raggining - on que month
Fin of the Pharmaco epidemia con:
reignal Generation:
It is nothing but finding a newer indication with the
drug that atready exists. Test prepart que for me notroyeline inprogram
1) Minoxidel = a)to treat Atopoela dia ofra coforma es inter
Diro treat High Blood pressure [New 17 indication
polarina its restaura a strain a francisco
2) Aspertn : (a) Used as NSAPDs
b) used as Antiplatelet agent [Blood Prinning
OF PHARMACON TO THEW EX And Scations
2) Hypothule Generation: PRINCIPAL' Avanthi's Institute of Pharmaceutica Science Chu nothing but to know the shart Chillipally My Hayati Nagar (M), Ranga Reddy Dist.
Hw nothing, but to know the space Chillipsall MM Hayatif Nagar (M), Ranga Reddy Dist.

3) Kitt bray of amore
Ent ex nothing, but Quantifying the Apple that are afrea.
monted and also mered to be reported.
The Stoels?
= Weed for brancochidescoplata Heblications of pharmacochides
i) Estimation of Rok & quantification
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3) Formulation of public Health decisions-tosemanization
9 Estimation of pharamaeconomic studies. Induce ensite.
Teaming the state of the state
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e Vitalian 187 co branch a
THE PHARMACEUTICS
Avanthi's Institute of Pharmaceutical Sciences Gunthapally (V), Hayath Nagar (M), Ranga Reddy Dist.
*48DUILAPUR

1 LOE-COM Spropre I: origin and Evaluation of phornacoepidemiona *Epidemealogy is the distribution and determinate of a distance in a population & => Phormacoepidernology le the application of epidemological. Principles (on prinsples of exidenseology to any effects and grad are the second to all the second of the second of

* Origin: FADRE to drugs were old as modern pharmaeotherapy white or deuloped in the 20th contury.

Forug restetance, doug abus and variation en rates of dinical effectiveness were the other therapeutic problems which imerged.

In Asi, the overeports of modernal use of That dominde with morfonnations en offepoings resulted in awarness of Bepotentio

for drugs to cause ADR's. -> Gince them a greater attention was focused on the detection,

Preventiro ornanogement of ADR's and the era of pharmacoepide.

has began.

of The Important ADR'S techen papi eduqueme que po epperant penico 21 halburgenser su offebrund of momen in no page drettyl etre bestooll during pregnancy. 28 Icotochapin monured brath defeats up Deaths with tenoferal Estermente for pe = r Ispe van formento obtamamore data on solu sis enefets of drugs is population and to descuir, abenefit of drugs in Population develop and disserminate information about pharmacoepmethodos sambine = In early 1960's, the related field of adag willisation was developed along with the study of ADR's - Previously, postudies were conducted for marketing purposes and data were not airceilable for use by health authonetres = + As a smalt of mige nasighters in the botters and copint of any prestabling, growing watern about ADRI and cost of the daugs

ADRI monodi

The pharmaco ep e demolo gifal monodi

THARMACO = Acc to WHO, Du 11 the marketing, destrobutely, pruising 10) and use of druge Pm a dociety with expectal with



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De	epartment:			PHA	ARM D				
	Course Ou	tcome Att	ainment -			ts			
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Branch &			RM D	Exam:		-	D - I		
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000000000		CO1	C01	CO1	C01	CO1	C01	C02	C02
		1001		1001		tion 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	19GN1T0001	5	4	4		5	5	4	
2	19GN1T0002	4	5	5	5	5		4	
3	19GN1T0003	5	4	5	5	5		4	
4	19GN1T0004		4	5	4		4	5	4
5	19GN1T0005	4		5	4	5	3	5	
6	19GN1T0006	5	5	4	4		4	5	
7	19GN1T0007	5	4	4		5	5		4
8	19GN1T0008	5	4	4		5	4		5
9	19GN1T0009	4	5	4		5	5		4
10	19GN1T0010	5	4		5	4	4		4
11	19GN1T0011	5	4	5	4	5		5	
12	19GN1T0012	4	5		5		4	5	5
13	19GN1T0013	5	5	5	4		5		3
14	19GN1T0014		4	5	5	4		5	5
15	19GN1T0015	5	4	5	5	4	4		
16	19GN1T0016	5	4	4	5		4		5
17	19GN1T0017		5	4	4	5		5	5
18	19GN1T0018	4		5	5		4	5	4
19	19GN1T0019	4	5	4		5	4		5
20	19GN1T0020		5	4		4	4	5	5
21	19GN1T0021	5	4	5			5	4	5
22	19GN1T0022	5	4	4		5		4	5
23	19GN1T0023	5		5	4		5	4	5
24	19GN1T0024	4		4	5		5	5	4
25	19GN1T0025	4			5	4	5	4	5
26	19GN1T0026	<u> </u>	5	3	5		4	5	5
27	19GN1T0027	5	5	4			5	4	4
28	19GN1T0027	5		5	4	4	5	4	
29	19GN1T0028		5	4	4	5		5	4
30	19GN1T0029	5		5		4	5	4	4
		24	23	27	20	19	23	22	22
	Overtion wise	5	5	5	5	5	5	5	5
Max Marks Target 50%	Question wise	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	ents above 50%	24	23	27	20	19	23	22	22
% of Studer		100.0	100	100	100.0	100.0	100	100	100.0
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90-100%		1/2	Ch.	M					-

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De	epartment:				PHARM D				
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	ne Faculty:		HIKA	Academic `	Year:	2021			
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i l	19GN1T0001	5	3	4	5	4	3	5	5
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7	19GN1T0007	4		4	5	5		4	5
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10	19GN1T0010	4	5		5	3	5	5	
11	19GN1T0011			4	5	5	4	5	4
12	19GN1T0012			5	4	5	5	4	4
13	19GN1T0013	4	5	4	5		5		4
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19	19GN1T0019		4	5		5	4	4	5
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21	19GN1T0021		4	5	4	5	5	4	
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27	19GN1T0027		5	4	4		5	5	4
28	19GN1T0028			4	4	5	5	5	4
29	19GN1T0029	5		4	5	5	5	3	5
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	nts attempted	24	23	27	20	19	23	22	22
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arget 50%		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	ents above 50%	24	23	27	20	19	23	22	22
6 of Studen		100.0	100	100	100.0	0.001	100	100	0.001
Attainment		3	3	3	3	3	3	3	3
	inment table								
70-80%	1	1							
80-90%	2								
90-100%	+								





90-100%

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De	partment:	Т		PHAI	2M D				
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Name of t	the Faculty:		SHIKA	Academi		_	21-22		
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Maximum	Marks	5	5	5	5	5	5	5	5
1	19GN1T0001	5		4	5	4		5	5
2	19GN1T0002	-	4	5	4	5		4	5
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6	19GN1T0006	5	3	-	5	5		4	5
7	19GN1T0007	4		4	5	5		4	5
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19	19GN1T0019		4	5		5	4	4	5
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21	19GN1T0021		4	5	4	5	5	4	
22	19GN1T0022	5	5	4	5	4		4	
23	19GN1T0023	4	5	5	4	4	5		
24	19GN1T0024		5	4		5	4	5	4
25	19GN1T0025	5	4		5	4	5	4	
26	19GN1T0026		4	5	5	4	4	5	
27	19GN1T0027		5	4	4		5	5	4
28	19GN1T0028			4	4	5	5	5	4
29	19GN1T0029			4	5	5	5	3	5
30	19GN1T0030		5	4	5		5	5	4
No. of stud	ents attempted	24	23	27	20	19	23	22	22
	s 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
	dents above 50%	24	23	27	20	19	23	22	22
% of Stude		100.0	100	100	100.0	100.0	100	100	100.0
Attainment		3	3	3	3	3	3	3	3
	inment table	-			1				
70-80%	1								
	2								
80-90%	1 2				1	-		 	

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Gunthapally (V), Abdullapurmet (M), R.R. Dist., Near Ramoji Filmcity, Hyderabad - 501 512. Department: PHARM D **Course Outcome Attainment External Examination** Name of the Faculty: **U RISHIKA** Academic Year: 2021-22 PHARM D Branch & Section: Exam: **EXTERNAL** Course: MC Year/Semister: Ш TOTAL(Max. Score S.NO. HALLTICKET NO Marks) 19GN1T0001 47 46 2 19GN1T0002 46 3 19GN1T0003 4 19GN1T0004 46 43 5 19GN1T0005 39 6 19GN1T0006 7 45 19GN1T0007 8 53 19GN1T0008 9 19GN1T0009 52 53 10 19GN1T0010 53 11 19GN1T0011 35 12 19GN1T0012 53 13 19GN1T0013 14 19GN1T0014 53 15 19GN1T0015 33 16 19GN1T0016 61 17 48 19GN1T0017 18 19GN1T0018 52 19 34 19GN1T0019 56 20 19GN1T0020 35 21 19GN1T0021 42 22 19GN1T0022 53 23 19GN1T0023 35 24 19GN1T0024 47 25 19GN1T0025 37 26 19GN1T0026 44 27 19GN1T0027 28 19GN1T0028 46 36 29 19GN1T0029 43 30 19GN1T0030 30 No. of students who attempted the subject Max. Marks 70 30 No. of students secured > 26 marks 100.0 Percentage of students secured > 26 marks Overall External Attainment level 3

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2

Attainment table

70-80% 80-90%

90-100%

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Department:				PHA	RM D		
	<u>C</u>)veral	l Cours	se Outcome Attain	ment		
Name of the Faculty:	U	RISH	IIKA	Academic Year:	2021-22		
Branch & Section:	P	HAR	M D	Exam:			
Course:		MC		Semister:	III		
Course Outcomes	1st Inte	2nd 3rd		Internal Exam(Avg.)	University Exam	Overall Attainmen	
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

OF PHARMAC ABDULLAPUR

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						COI	URSE O	UTCON	IES					
CO1				h the proof diseas		ear, this	subjec	would	have c	ontinued	l describi	ing about	the differen	nt drugs
CO2	1		would ormon		earnt abo	out drug	s used	to cance	er, infla	mmatio	n, respira	tory syste	em, GIT, in	nmune
CO3	They	would	have u	ndersto	od the p	rinciples	s of anir	nal toxi	cology	and bioa	assay pro	cedures.		
CO4	They cycle.		have le	arnt in	depth kr	owledg	e on ce	ll, macr	omolec	ules, cel	l signalin	g, DNA 1	replication	and cell
						(CO-PO	Mapping	;					
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PS03
CO1	2	2	3	2	3	2	3	3	3	3	3	2	2	2
CO2	3	3	2	3	3	2	2	2	3	2	3	3	3	3
CO3	3	3	3	3	2	2	2	3	3	3	3	2	3	2
CO4	2	2	2	2	2	3	3	2	2	2	3	3	2	3
CO avg(M)	2.5	2.5	2.5	2.5	2.5	2.25	2.5	2.5	2.75	2.5	2.5	2.5	2.5	2.5
Attainment _evel*	2.5	2.5	2.5	2.5	2.5	2.25	2.5	2.5	2.75	2.5	3	2.5	2.5	2.5



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DATE: 06-03-2022

EXAMINATION BRANCH

NOTICE TIME-TABLE PHARM D I-YEAR I MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
10-03-2022/THU	HUMAN ANATOMY & PHYSIOLOGY
11-03-2022/FRI	PHARMACEUTICS
12-03-2022/SAT	MEDICINAL BIOCHEMISTRY
14-03-2022/MON	PHARMACEUTICAL INORGANIC CHEMISTRY
15-03-2022/TUE	PHARMACEUTICAL ORGANIC CHEMISTRY
16-03-2022/WED	REMEDIAL MATHEMATICS

P. Nagaey L.
EXAMINATION BRANCH

COPY TO: 1) PRINCIPAL

2) ALL HODS

3) ALL STUDENTS

4) OFFICE

5) NOTICE BOARDS

HOD

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Gunthapally (V), Hayath Nagar (M),
Ranga Reddy Dist.

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DATE: 05-06-2022

EXAMINATION BRANCH

NOTICE TIME-TABLE PHARM D I-YEAR II MID EXAMINATIONS

Time: 1.30 PM to 3.30 PM

DATE & DAY	SUBJECT
09-06-2022/THU	HUMAN ANATOMY & PHYSIOLOGY
10-06-2022/FRI	PHARMACEUTICS
11-06-2022/SAT	MEDICINAL BIOCHEMISTRY
13-06-2022/MON	PHARMACEUTICAL INORGANIC CHEMISTRY
14-06-2022/TUE	PHARMACEUTICAL ORGANIC CHEMISTRY
15-06-2022/WED	REMEDIAL MATHEMATICS

EXAMINATION BRANCH

COPY TO: 1) PRINCIPAL

2) ALL HODS

3) ALL STUDENTS

4) OFFICE

5) NOTICE BOARDS

HOD

PRINCIPAL

- PRINCIPAL





DATE: 04-09-2022

EXAMINATION BRANCH

NOTICE TIME-TABLE PHARM D I-YEAR III MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
08-09-2022	HUMAN ANATOMY & PHYSIOLOGY
09-09-2022	PHARMACEUTICS
10-09-2022	MEDICINAL BIOCHEMISTRY
12-09-2022	PHARMACEUTICAL INORGANIC CHEMISTRY
13-09-2022	PHARMACEUTICAL ORGANIC CHEMISTRY
14-09-2022	REMEDIAL MATHEMATICS

EXAMINATION BRANCH

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2) ALL HODS

3)ALL STUDENTS

4)OFFICE

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AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES







DATE: 13-01-2022

EXAMINATION BRANCH

NOTICE TIME-TABLE PHARM D II-YEAR I MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
17-01-2022/MON	PATHOPHYSIOLOGY
18.01.2022/TUES	PHARMACEUTICAL MICROBIOLOGY
19.01.2022/WED	PHARMACOGNOSY & PHYTOPHARMACEUTICALS
20.01.2022/THUS	PHARMACOLOGY-1
21.01.2022/FRI	COMMUNITY PHARMACY
22.01.2022/SAT	PHARMACOTHERAPEUTICS-1

p. Nagany L.
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2) ALL HODS

3) ALL STUDENTS

4) OFFICE

5) NOTICE BOARDS

HOD

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DATE: 14-04-2022

EXAMINATION BRANCH

NOTICE TIME-TABLE PHARM D II-YEAR II MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
18-04-2022/MOM	PATHOPHYSIOLOGY
19-04-2022/TUE	PHARMACEUTICAL MICROBIOLOGY
20-04-2022/WED	PHARMACOGNOSY & PHYTOPHARMACEUTICALS
21-04-2022/THU	PHARMACOLOGY-1
22-04-2022/FRI	COMMUNITY PHARMACY
23-04-2022/SAT	PHARMACOTHERAPEUTICS-1

EXAMINATION BRANCH

COPY TO: 1) PRINCIPAL 2) ALL HODS

3) ALL STUDENTS

4) OFFICE

5) NOTICE BOARDS

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

DATE: 28-07-2022

EXAMINATION BRANCH

NOTICE TIME-TABLE PHARM D II-YEAR III MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
01-08-2022/MON	PATHOPHYSIOLOGY
02-08-2022/TUE	PHARMACEUTICAL MICROBIOLOGY
03-08-2022/WED	PHARMACOGNOSY & PHYTOPHARMACEUTICALS
04-08-2022/THU	PHARMACOLOGY-1
05-08-2022/FRI	COMMUNITY PHARMACY
06-08-2022/SAT	PHARMACOTHERAPEUTICS-1

EXAMINATION BRANCH

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DATE: 04-11-2021

EXAMINATION BRANCH

NOTICE TIME-TABLE PHARM D III-YEAR I MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT	
08-11-2021/MON	PHARMACOLOGY-II	
09-11-2021/TUE	PHARMACEUTICAL ANALYSIS	
10-11-2021/WED	PHARMACOTHERAPEUTICS-II	
11-11-2021/THU	PHARMACEUTICAL JURISPRUDENCE	
12-11-2021/FRI	MEDICINAL CHEMISTRY	
13-11-2021/SAT	PHARMACEUTICAL FORMULATIONS	

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4)OFFICE

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Avanthi's Institute of Pharmaceutical Sciences Gunthapally (V), Hayath Nagar (M),

Ranga Reddy Dist.

WINDUMPURMET #

DATE: 10-02-2022

EXAMINATION BRANCH

NOTICE TIME-TABLE PHARM D III-YEAR II MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT	
14-02-2022/MON	PHARMACOLOGY-II	
15-02-2022/TUES	PHARMACEUTICAL ANALYSIS	
16-02-2022/WED	PHARMACOTHERAPEUTICS-II	
17-02-2022/THUS	PHARMACEUTICAL JURISPRUDENCE	
18-02-2022/FRI	MEDICINAL CHEMISTRY	
19-02-2022SAT	PHARMACEUTICAL FORMULATIONS	

P. Nagays. EXAMINATION BRANCH

COPY TO: 1) PRINCIPAL

2) ALL HODS

3)ALL STUDENTS

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Avanthi's Institute of Pharmaceutical Sciences

Gunthapally (V), Hayath Nagar (M),

Ranga Reddy Dist.







DATE: 05-05-2022

EXAMINATION BRANCH

NOTICE TIME-TABLE PHARM D III-YEAR III MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
09-05-2022/MON	PHARMACOLOGY-II
10-05-2022/TUES	PHARMACEUTICAL ANALYSIS
11-05-2022/WED	PHARMACOTHERAPEUTICS-II
12-05-2022/THUS	PHARMACEUTICAL JURISPRUDENCE
13-05-2022/FRI	MEDICINAL CHEMISTRY
14-05-2022/SAT	PHARMACEUTICAL FORMULATIONS

D. Nagarys **EXAMINATION BRANCH**

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4)OFFICE

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DATE: 04-11-2021

EXAMINATION BRANCH NOTICE TIME-TABLE PHARM D IV-YEAR I MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
08-11-2021/MON	PHARMACOTHERAPEUTICS-III
09-11-2021/TUE	HOSPITAL PHARMACY
10-11-2021/WED	CLINICAL PHARMACY
11-11-2021/THU	BIOSTATISTICS & RESEARCH METHODOLOGY
12-11-2021/FRI	BIOPHARMACEUTICS & PHARMACO KINETICS
13-11-2021/SAT	CLINICAL TOXICOLOGY

EXAMINATION BRANCH

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COPY TO: 1) PRINCIPAL

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DATE: 10.02.2022

EXAMINATION BRANCH NOTICE TIME-TABLE PHARM D IV-YEAR II MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

SUBJECT
PHARMACOTHERAPEUTICS-III
HOSPITAL PHARMACY
CLINICAL PHARMACY
BIOSTATISTICS & RESEARCH METHODOLOGY
BIOPHARMACEUTICS & PHARMACO KINETICS
CLINICAL TOXICOLOGY

EXAMINATION BRANCH

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3)ALL STUDENTS

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DATE: 05-05-2022

EXAMINATION BRANCH NOTICE TIME-TABLE PHARM D IV-YEAR III MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
09-05-2022/MON	PHARMACOTHERAPEUTICS-III
10-05-2022/TUE	HOSPITAL PHARMACY
11-05-2022/WED	CLINICAL PHARMACY
12-05-2022/THU	BIOSTATISTICS & RESEARCH METHODOLOGY
13-05-2022/FRI	BIOPHARMACEUTICS & PHARMACO KINETICS
14-05-2022/SAT	CLINICAL TOXICOLOGY

P. Nagary L.
EXAMINATION BRANCH

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DATE: 04-11-2021

EXAMINATION BRANCH NOTICE TIME-TABLE PHARM D V-YEAR I MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT	
08-11-2021/MON	CLINICAL RESEARCH	
09.11.2021/WED	PHARMACOEPIDEMIOLOGY& PHARMACOECONOMICS	
10.11.2021/THUS	CLINICALPHARMACOKINETICS& PHARMACOTHERAPEUTIC MONITORING	DRUG

EXAMINATION BRANCH

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DATE: 10-02-2022

EXAMINATION BRANCH NOTICE TIME-TABLE PHARM D V-YEAR II MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT					
14-02-2022/MON	CLINICAL RESEARCH					
15.02.2022/TUE	PHARMACOEPIDEMIOLOGY& PHARMACOECONOMICS					
16.02.2022/WED	CLINICALPHARMACOKINETICS& PHARMACOTHERAPEUTIC DRUG MONITORING					

EXAMINATION BRANCH

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INSTITUTE OF PHARMACEUTICAL SCIENCES









DATE: 05-05-2022

EXAMINATION BRANCH NOTICE TIME-TABLE PHARM D V-YEAR III MID EXAMINATIONS

Time: 1.30PM to 3.30 PM

DATE & DAY	SUBJECT
09-05-2022/MON	CLINICAL RESEARCH
10.05.2022/TUE	PHARMACOEPIDEMIOLOGY& PHARMACOECONOMICS
11.05.2022/WED	CLINICALPHARMACOKINETICS& PHARMACOTHERAPEUTIC DRUG MONITORING

EXAMINATION BRANCH

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KUKATPALLY, HYDERABAD - 500 085 EXAMINATION BRANCH

II YEAR B.PHARM-II SEMESTER - R17, R16, R15, R13, R09 REGULATION- SUPLEMENTARY EXAMINATIONS MARCH-2022 TIME TABLE

TIME→ AN: 2:15 PM TO 5:15 PM

COURSE	R17	R16	R15	R13	R09	
08-03-2022 TUESDAY	Pharmaceutical Organic Chemistry-III	PHARMACEUTICAL UNIT OPERATIONS – II	PHARMACEUTICAL UNIT OPERATIONS -II OPERATIONS-II		PHARMACEUTICAL UNIT OPERATIONS-II	
10-03-2022 THURSDAY	Medicinal Chemistry-I	BIOCHEMISTRY	PHARMACEUTICAL BIOCHEMISTRY	PHARMACEUTICAL BIOCHEMISTRY	ENVIRONMENTAL SCIENCE	
12-03-2022 SATURDAY	Physical Pharmaceutics- II	PHARMACEUTICAL JURISPRUDENCE	PHARMACOGNOSY- I	PHARMACOGNOSY-I	PHARMACOGNOSY-I	
14-03-2022 MONDAY	Pharmacology-I	PHYSICAL PHARMACY-II	PHYSICAL PHARMACY- II	PHYSICAL PHARMACY-II	PHARMACEUTICAL ANALYSIS - I	
16-03-2022 WEDNESDAY	Pharmacognosy and Phytochemistry-I	OPEN ELECTIVES INTELLECTUAL PROPERTY RIGHTS HERBAL DRUGS	ENVIRONMENTAL STUDIES	ENVIRONMENTAL STUDIES	PHYSICAL PHARMACY - II	
		TECHNOLOGY GREEN CHEMISTRY		3100123	DISPENSING AND HOSPITAL PHARMACY	

DATE: 22-02-2022

CONTROLLER OF EXAMINATIONS

Sd/-

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Avanthi's Institute of Pharmaceutical Sciences Gunthapally (V), Hayath Nagar (M),

Ranga Reddy Dist.

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.

KUKATPALLY - HYDERABAD - 500085 EXAMINATION BRANCH

I YEAR B.PHARMACY I-SEMESTER-R17 REGULATION REGULAR/SUPPLEMENTARY EXAMINATIONS JUNE-2022

REVISED T IME TABLE

TIME→ FN:9.45 AM TO 12.45 PM

BRANCH 04-06-2022 SATURDAY		07-06-2022 TUESDAY	09-06-2022 THURSDAY	11-06-2022 SATURDAY	14-06-2022 TUESDAY	16-06-2022 THURSDAY
B.PHARMACY	REMEDIAL BIOLOGY REMEDIAL MATHEMATICS	HUMAN ANATOMY AND PHYSIOLOGY I	PHARMACEUTICAL ANALYSIS I	PHARMACEUTICS I	PHARMACEUTICAL INORGANIC CHEMISTRY-I	COMMUNICATION SKILLS

DATE: 24-05-2022

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.

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Avanthi's Institute of Pharmaceutical Sciences

Gunthapally (V), Hayath Nagar (M),

Ranga Reddy Dist.

KUKATPALLY, HYDERABAD-500085 EXAMINATION BRANCH

II YEAR B.PHARM - I SEMESTER -R17,R16, R15,R13,R09 REGULATIONS-REGULAR/SUPPLEMENTARY EXAMINATIONS MARCH-2022

TIMETABLE

T I M E:FN9:45 AM TO 12:45PM

DATE& DAY	R17	R16	R15	R13	R09	
07-03-2022 MONDAY	Pharmaceutical Organic Chemistry – II Pharmaceutical Organic Chemistry – III		Pharmaceutical Organic Chemistry – II	Pharmaceutical Organic Chemistry-II	Pharmaceutical Organic Chemistry-II	
09-03-2022 WEDNESDAY	Physical Pharmaceutics-I	Pharmacognosy I	Statistical Methods & Computer Applications	Statistical Methods& Computer Applications	Statistical Methods & Computer Applications	
11-03-2022 FRIDAY	Microbiology		Anatomy, Physiology &Pathophysiology	Anatomy Physiology &Pathophysiology	Physical Pharmacy – I Dispensing and Hospital Pharmacy	
15-03-2022 TUESDAY	Pharmaceutical Engineering	Pharmaceutical Unit Operations – I	Pharmaceutical Unit Operations I	Pharmaceutical Unit Operations – I	Pharmaceutical Unit Operations – I	
17-03-2022 THURSDAY			Physical Pharmacy – I	Physical Pharmacy – I	Anatomy Physiology&Path physiology Health Educationand Path physiology	

DATE:22-02-2022

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

Avanthi's Institute of Pharmaceutical Sciences
Gunthapally (V), Hayath Nagar (M),
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Sd/

KUKATPALLY - HYDERABAD - 500 085 EXAMINATION BRANCH TIME TABLE

IV YEAR B.PHARM-II SEMESTER -R17, R16, R15, R13, R09 REGULATION-REGULAR/SUPPLEMENTARY EXAMINATIONS JULY-2021

TIME→ FN: 9.45 AM TO 12.45 PM

course	R17	R16	R15	R13	RO9
05-07-2021 MONDAY	Biostatistics and Research Methodology	Novel Drug Delivery Systems	Novel Drug Delivery Systems and Regulatory Affairs	Novel Drug Delivery Systems and Regulatory Affairs	Pharmacognosy III
07-07-2021 WEDNESDAY	Social and Preventive Pharmacy	Clinical Pharmacy	Pharmaceutical Biotechnology	Pharmaceutical Biotechnology	Novel Drug Delivery Systems and Regulatory
09-07-2021 FRIDAY	Pharmaceutical Jurisprudence	Pharmaceutical Biotechnology	Pharmaceutical Analysis II	Pharmaceutical Analysis II	Clinical Pharmacy and Therapeutics
12-07-2021 MONDAY	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
14-07-2021 WEDNESDAY	<u></u>	Nano Technology Pharmacoepidemiology, Pharmacoeconomics and pharmacovigilance Medicinal Plant Biotechnology	Clinical Pharmacy Practice	Clinical Pharmacy Practice	Pharmaceutical Biotechnology

DATE:20-06-2021

NOTE:

Sd/- Avanthi's Institute of Pharmaceutical Sciences

CONTROLLER OF EXAMINATIONS apally (V), Hayath Nagar (M),

Ranga Reddy Dist.

1). ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY



DATE: 25.03.2022

B. PHARMACY

PROJECT SHEDULE

For the academic year 2021-2022 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	5.03.2022 to 17.03.2023
2	REVIEW-1	REVIEW OF LITERATURE	09.05.2022 to 20.05.2022
3	REVIEW-2	METHODOLOGY & EXPECTED RESULTS	22.06.2022 to 03.07.2022
4	REVIEW-3	RESULTS & DISCUSSION, CONCLUSION	19.07.2022 to 23.07.2022

ANANTHI INSTITUTE OF PHAP





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 and a senior faculty member shall evaluate the project work.
- 6. 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.

7. 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.

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- 8. 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.
- 9. A student who has failed may reappear once for the above evaluation, when it is scheduled again; if student 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.

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INSTITUTE OF PHARMACEUTICAL SCIENCES

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De	epartment:			PHA	ARM D				
	Course Ou	tcome Att	ainment -			ts			
Name of th		1	HIKA	Academi		T	1-22		
Branch &		PHARM D		Exam:		MID - I			
Course/Sul		MC			Year/Semister:		II		
000000000		CO1 C0		CO1	C01	CO1 C01		C02	C02
		1001		1001		tion 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	19GN1T0001	5	4	4		5	5	4	
2	19GN1T0002	4	5	5	5	5		4	
3	19GN1T0003	5	4	5	5	5		4	
4	19GN1T0004		4	5	4		4	5	4
5	19GN1T0005	4		5	4	5	3	5	
6	19GN1T0006	5	5	4	4		4	5	
7	19GN1T0007	5	4	4		5	5		4
8	19GN1T0008	5	4	4		5	4		5
9	19GN1T0009	4	5	4		5	5		4
10	19GN1T0010	5	4		5	4	4		4
11	19GN1T0011	5	4	5	4	5		5	
12	19GN1T0012	4	5		5		4	5	5
13	19GN1T0013	5	5	5	4		5		3
14	19GN1T0014		4	5	5	4		5	5
15	19GN1T0015	5	4	5	5	4	4		
16	19GN1T0016	5	4	4	5		4		5
17	19GN1T0017		5	4	4	5		5	5
18	19GN1T0018	4		5	5		4	5	4
19	19GN1T0019	4	5	4		5	4		5
20	19GN1T0020		5	4		4	4	5	5
21	19GN1T0021	5	4	5			5	4	5
22	19GN1T0022	5	4	4		5		4	5
23	19GN1T0023	5		5	4		5	4	5
24	19GN1T0024	4		4	5		5	5	4
25	19GN1T0025	4			5	4	5	4	5
26	19GN1T0026	<u> </u>	5	3	5		4	5	5
27	19GN1T0027	5	5	4			5	4	4
28	19GN1T0027	5		5	4	4	5	4	
29	19GN1T0028		5	4	4	5		5	4
30	19GN1T0029	5		5		4	5	4	4
		24	23	27	20	19	23	22	22
	Overtion wise	5	5	5	5	5	5	5	5
Max Marks Target 50%	Question wise	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
No. of Students above 50%		24	23	27	20	19	23	22	22
% of Students>50%		100.0	100	100	100.0	100.0	100	100	100.0
Attainment		3	3	3	3	3	3	3	3
	ainment table								
70-80%	1		ACCRECATION OF	-	<u> </u>				
80-90%	2	1	MARMACA	UTIC					
90-100%		1/2	Ch.	M					-

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De	epartment:				PHARM D				
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	ne Faculty:		HIKA	Academic `	Year:	2021			
Branch & Section:		PHARM D		Exam:		MID - II			
Course/Sub:		MC		Year/Semister:			Ш		
	-	CO2	CO2 C02 C02 C02			CO3	C03	C03	C03
SLNo	Roll Number	01	Question No.						
Maximum Marks		Q1 5	Q2 5	Q3 5	Q4 5	Q5 5	Q6 5	Q7 5	Q8 5
i l	19GN1T0001	5	3	4	5	4	3	5	5
2	19GN1T0001	1 3	4	5	4	5		4	5
3	19GN1T0002		4	5	4	5	4	5	+
4	19GN1T0003		4	1	4	5	5	5	4
5	19GN1T0004		5	5	5	5	4		3
6	19GN1T0005	5	3	1	5	5		4	5
7	19GN1T0007	4		4	5	5		4	5
8	19GN1T0008	4	5	5	4		5	5	
9	19GN1T0009	5	4	5	5	5	4		
10	19GN1T0010	4	5		5	3	5	5	
11	19GN1T0011			4	5	5	4	5	4
12	19GN1T0012			5	4	5	5	4	4
13	19GN1T0013	4	5	4	5		5		4
14	19GN1T0014	5	4	5	5	5	4		
15	19GN1T0015	5		4	5	5	4		4
16	19GN1T0016	4		4	5	5		4	5
17	19GN1T0017		5	4	5	4	4	5	
18	19GN1T0018	5		5	5	4	4		4
19	19GN1T0019		4	5		5	4	4	5
20	19GN1T0020		5	5		4	4	4	5
21	19GN1T0021		4	5	4	5	5	4	
22	19GN1T0022	5	5	4	5	4		4	
23	19GN1T0023	4	5	5	4	4	5		
24	19GN1T0024	5	5	4		5	4	5	4
25	19GN1T0025		4		5	4	5	4	
26	19GN1T0026		4	5	5	4	4	5	
27	19GN1T0027		5	4	4		5	5	4
28	19GN1T0028			4	4	5	5	5	4
29	19GN1T0029	5		4	5	5	5	3	5
	19GN1T0030		5	4	5		5	5	4
	nts attempted	24	23	27	20	19	23	22	22
	Question wise	5	5	5	5	5	5	5	5
arget 50%		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	ents above 50%	24	23	27	20	19	23	22	22
% of Students>50%		100.0	100	100	100.0	0.001	100	100	0.001
Attainment		3	3	3	3	3	3	3	3
	inment table								
70-80%	1	1							
80-90%	2								
90-100%	+								





90-100%

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Name of t						_	21.22		
Name of the Faculty:		URISHIKA		Academic Year: Exam:		2021-22 MID - III			
Branch & Section: Course/Sub:		PHARM D MC		Year/Semister:		III			
Course/Sub.		CO1 C01		CO1 C01		CO1 C01		C02	C02
	Roll Number	COI	Cor	COI	Questio		COI	1 (02	C02
SLNo		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
Maximum	Marks	5	5	5	5	5	5	5	5
1	19GN1T0001	5		4	5	4	3	5	5
2	19GN1T0002	-	4	5	4	5		4	5
3	19GN1T0003		4	5	4	5	4	5	
4	19GN1T0004		4	-	4	5	5	5	4
5	19GN1T0005	 	5	5	5	5	4		3
6	19GN1T0006	5	3	-	5	5		4	5
7	19GN1T0007	4		4	5	5		4	5
8	19GN1T0008	4	5	5	4		5	5	
9	19GN1T0009	5	4	5	5	5	4		
10	19GN170009	4	5		5	3	5	5	_
11		-		4	5	5	4	5	4
12	19GN1T0011			5	4	5	5	4	4
	19GN1T0012	4	5	4	5	3	5	-	4
13	19GN1T0013	5	4	5	5	5	4		-
14	19GN1T0014		4	_			4		4
15	19GN1T0015	5		4	5	5	4	4	5
16	19GN1T0016	4		4	5	5		5	3
17	19GN1T0017		5	4	5	4	4	3	-
18	19GN1T0018	5		5	5	4	4	 . 	4
19	19GN1T0019		4	5		5	4	4	5
20	19GN1T0020		5	5		4	4	4	5
21	19GN1T0021		4	5	4	5	5	4	
22	19GN1T0022	5	5	4	5	4		4	
23	19GN1T0023	4	5	5	4	4	5		
24	19GN1T0024		5	4		5	4	5	4
25	19GN1T0025	5	4		5	4	5	4	
26	19GN1T0026		4	5	5	4	4	5	
27	19GN1T0027		5	4	4		5	5	4
28	19GN1T0028			4	4	5	5	5	4
29	19GN1T0029			4	5	5	5	3	5
30	19GN1T0030		5	4	5		5	5	4
No. of stud	ents attempted	24	23	27	20	19	23	22	22
Max Marks 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
No. of Students above 50%		24	23	27	20	19	23	22	22
% of Students>50%		100.0	100	100	100.0	100.0	100	100	100.0
Attainment Level		3	3	3	3	3	3	3	3
Attainment table									
70-80%	1								
80-90%	2								
		1			1				

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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.





Depart	ment:	PHARM D										
		Course Outcome Att	ainment External Exa	mination								
Name of the	Faculty:	URIS	Academic Yea	ar: 2021-22								
Branch & Section:		PHA	RM D	Exam:	EXTERNAL							
Course:		N	Year/Semister	: III								
	S.NO.	HALLTICKET NO	TOTAL(Max. Score Marks)									
	1	19GN1T0001	47									
	2	19GN1T0002	46									
	3	19GN1T0003	46									
	4	19GN1T0004	46									
	5	19GN1T0005	43									
	6	19GN1T0006	39									
	7	19GN1T0007	45									
	8	19GN1T0008	53									
	9	19GN1T0009	52									
	10	19GN1T0010	53									
	11	19GN1T0011	53									
	12	19GN1T0012	35									
	13	19GN1T0013	53									
	14	19GN1T0014	53									
	15	19GN1T0015	33		-							
	16	19GN1T0016	61									
	17	19GN1T0017	48									
	18	19GN1T0018	52									
	19	19GN1T0019	34									
	20	19GN1T0020	56									
	21	19GN1T0021	35									
	22	19GN1T0022	42									
	23	19GN1T0023	53									
	24	19GN1T0024	35									
	25	19GN1T0025	47									
	26	19GN1T0026	37									
	27	19GN1T0027	44									
	28	19GN1T0028	46									
	29	19GN1T0029	36									
	30	19GN1T0030	43									
No. of students who attempted the subject			30									
Max. Marks			70									
No. of students secured > 26 marks			30									
Percentage of students secured > 26 marks			100.0									
Overall Exter	rnal Attainr	nent level	3									
	Att	ainment table										
	70-80%	1										
	80-90%	2										
9	90-100%	OF PHARM										

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