



CourseName: HUMAN ANATOMY
AND PHYSIOLOGY YearofStudy:I-I;

SL No	PROGRAMMEOUTCOMES-B. PHARM
PO 1	Pharmacy Knowledge: Have sound knowledge of fundamental principles and their applications in the area of Pharmaceutical Sciences and Technology.
PO 2	Practical Skill: Develop an ability to use lab equipment and different kinds of simulation software with an in depth knowledge to design synthetic and analytical processes to perform experiments on synthesis, design, pharmaceutical analysis, pharmacological evaluation and formulation problems.
PO3	Professional Identity: Develop ability for in-depth analytical and critical thinking in order to identify, formulate and solve the issues related to Pharmaceutical Industry, Regulatory Agencies, and Hospital Pharmacy & Community Pharmacy.
PO4	Problem Solving: Develop an ability to solve, analyze and interpret data generated from Formulation Development, Quality Control & Quality Assurance.
PO5	Communication: Develop written and oral communication skills in order to communicate effectively the outcomes of the Pharmaceutical problems.
PO6	Planning Ability: Have an ability to acquire sound knowledge in order to execute the responsibilities successfully towards developing expertise as per the needs of industry and academia.
PO7	Leadership Skills & Team Work : Develop team spirit, apart from responding to the social needs and professional ethics
PO8	Life Long Learning: Develop an aptitude for lifelong learning and continuous professional development.
PO9	The Pharmacist & Society: Develop an understanding for the need of pharmaceutical sciences and technology towards giving quality life to people in society.
PO10	Environment & Sustainability: Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

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

Academic year: 2020-21

Upon Completion of the course student will be able to:

HAP.CO1	Explain the gross morphology structures and function of various organs of human body
HAP.CO2	Describe the various homeostatic mechanisms and their imbalances.
HAP.CO3	Identify the various tissues and organs of different systems of human body.
HAP.CO4	Perform the various experiments related to special senses and nervous system.
HAP.CO5	Appreciate coordinated working pattern of different organs of each system

CO-PO matrices of courses selected (six matrices to be mentioned; one per semester from (1st semester)

I-I HUMAN ANATOMY AND PHYSIOLOGY

COURSE OUTCOME	PROGRAMME OUTCOME									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
HAP.CO1	2	2	1	1	2	3	2	3	2	1
HAP.CO2				3			2			
HAP.CO3	3			2						
HAP.CO4			3							
HAP.CO5	2	3								
CO attainment	3	3	3	3	0		2			

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

II-I

MEDICINAL BIO BCHEMISTRY

COURSE OUTCOME	PROGRAMME OUTCOME									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MBC.CO1	3	2	1	2	--	2	--	3	1	1
MBC.CO2	3	2	--	--	--	1	--	--	1	1
MBC.CO3	3	2	--	1	--	--	--	--	1	1
MBC.CO4	3	1	--	1	--	1	--	--	2	1
CO attainment	3	2	1	1	--	2	--	3	1	1

III-II MEDICINAL CHEMISTRY

COURSE OUTCOME	PROGRAMME OUTCOME									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
MC.CO1	3	2	1	1	--	--	--	--	--	1
MC.CO2	3	2	2	2	--	2	--	--	--	1
MC.CO3	3	2	1	3	3	1	2	2	3	1
CO attainment	3	2	1	2	3	2	2	2	3	1


Principal

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



IV-I PHARMACOLOGY

COURSE OUTCOME	PROGRAMME OUTCOME									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
PCCL.CO1	3	2	2	3	--	2	--	2	2	--
PCOL.CO2	3	2	2	3	--	2	--	2	2	--
CO attainment	3	2	2	3	0	2	0	2	2	0


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



CourseName:PHARMACOTHERAPEU
TICS-I;

SL No	PROGRAMME OUTCOMES-PHARMD
PO 1	Pharmacy Knowledge: Have sound knowledge of fundamental principles and their applications in the area of Pharmaceutical Sciences and Technology.
PO 2	Practical Skill: Develop an ability to use lab equipment and different kinds of simulation software with an in depth knowledge to design synthetic and analytical processes to perform experiments on synthesis, design, pharmaceutical analysis, pharmacological evaluation and formulation problems.
PO 3	Professional Identity: Develop ability for in-depth analytical and critical thinking in order to identify, formulate and solve the issues related to Pharmaceutical Industry, Regulatory Agencies, and Hospital Pharmacy & Community Pharmacy.
PO 4	Problem Solving: Develop an ability to solve, analyze and interpret data generated from Formulation Development, Quality Control & Quality Assurance.
PO 5	Communication: Develop written and oral communication skills in order to communicate effectively the outcomes of the Pharmaceutical problems.
PO 5	Planning Ability: Have an ability to acquire sound knowledge in order to execute the responsibilities successfully towards developing expertise as per the needs of industry and academia.
PO 7	Leadership Skills & Team Work : Develop team spirit, apart from responding to the social needs and professional ethics
PO 7	Life Long Learning: Develop an aptitude for lifelong learning and continuous professional development.
PO 7	The Pharmacist & Society: Develop an understanding for the need of pharmaceutical sciences and technology towards giving quality life to people in society.
PO 3	Environment & Sustainability: Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

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

Academic year: 2020-21

Upon Completion of the course student will be able to:

PT-1.CO1	Students will be able to describe the pathophysiology and management of cardiovascular, respiratory and endocrine diseases.
PT-1.CO2	Students will be developing patient case based assessment skills.
PT-1.CO3	Students will be able to describe the quality use of medicines issues surrounding the therapeutic agents in the treatment of these diseases.
PT-1.CO4	Students will have developed clinical skills in the therapeutic management of these conditions.

CO-PO matrices of courses selected (six matrices to be mentioned);

II- PHARMACOTHERAPEUTICS-II

COURSE OUTCOME	PROGRAMME OUTCOME									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
PT-I.CO1	3	2	1	1	2	3	2	3	2	1
PT-I.CO2				3			2			
PT-I.CO3	3			2						
PT-I.CO4			3							
PT-I.CO5	2	3								
CO attainment	3	3	3	3	0		2			

PRINCIPAL

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



CourseName:PHARMACOTHERAPEU
TICS-I;

SL No	PROGRAMME OUTCOMES-PHARMD
PO 1	Pharmacy Knowledge: Have sound knowledge of fundamental principles and their applications in the area of Pharmaceutical Sciences and Technology.
PO 2	Practical Skill: Develop an ability to use lab equipment and different kinds of simulation software with an in depth knowledge to design synthetic and analytical processes to perform experiments on synthesis, design, pharmaceutical analysis. pharmacological evaluation and formulation problems.
PO3	Professional Identity:. Develop ability for in-depth analytical and critical thinking in order to identify, formulate and solve the issues related to Pharmaceutical Industry, Regulatory Agencies, and Hospital Pharmacy & Community Pharmacy.
PO4	Problem Solving: Develop an ability to solve, analyze and interpret data generated from Formulation Development, Quality Control & Quality Assurance.
PO5	Communication: Develop written and oral communication skills in order to communicate effectively the outcomes of the Pharmaceutical problems.
PO6	Planning Ability: Have an ability to acquire sound knowledge in order to execute the responsibilities successfully towards developing expertise as per the needs of industry and academia.
PO7	Leadership Skills & Team Work :Develop team spirit, apart from responding to the social needs and professional ethics
PO8	Life Long Learning: Develop an aptitude for lifelong learning and continuous professional development.
PO9	The Pharmacist & Society: Develop an understanding for the need of pharmaceutical sciences and technology towards giving quality life to people in society.
PO10	Environment & Sustainability: Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

Principal
Avanthi Institute of Pharmaceutical Sciences
Gunthapally (V), Abdullapurmet (M),
R.R. Dist., Hyderabad - 501 512.

Upon Completion of the course student will be able to:

HAP.CO1	They would have learnt the gross anatomy, histology and physiology of various organs of the human body.
HAP.CO2	They would identify the various tissues and organs associated with the different organ systems with help of charts and specimens.
HAP.CO3	They would have studied the coordination in functioning of different organs of each system.
HAP.CO4	They would have understood the several physiological homeostatic mechanisms and their imbalances in human body.
HAP.CO5	They would have learnt the interlinked mechanisms in the maintenance in normal and physical exercise conditions.
HAP.CO	They would have learnt and performed the hematological tests parameters, blood pressure recording, heart rate, pulse and respiratory volumes.

CO-PO matrices of courses selected (six matrices to be mentioned;

I-HUMAN ANATOMY AND PHYSIOLOGY

COURSEOUTCOME	PROGRAMMEOUTCOME									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
HAP.CO1	2	2	1	1	-	1	-	2	1	1
HAP.CO2	2	2	1	2	1	2	-	2	1	1
HAP.CO3	2	2	1	2	1	2	-	2	1	1
HAP.CO4	2	2	1	2	1	2	-	1	1	1
HAP.CO5	2	2	1	1	2	2	-	1	1	1
HAP.CO6	2	2	1	1	2	2	-	1	1	1
CO attainment	2	2	1	2	2	2	-	2	1	1

Avanathi's Institute of Pharmaceutical Sciences
 Guthalapalle, Hyderabad Nagar (M),
 Principal

Academic year: 2021-22


Upon Completion of the course student will be able to:

PT-1.CO1	Students will be able to describe the pathophysiology and management of cardiovascular, respiratory and endocrine diseases.
PT-1.CO2	Students will be developing patient case based assessment skills.
PT-1.CO3	Students will be able to describe the quality use of medicines issues surrounding the therapeutic agents in the treatment of these diseases.
PT-1.CO4	Students will have developed clinical skills in the therapeutic management of these conditions.

CO-PO matrices of courses selected (six matrices to be mentioned;

PHARMACOTHERAPEUTICS-I II III

COURSE OUTCOME	PROGRAMME OUTCOME									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
PT-I.CO1	3	2	1	1	2	3	2	3	2	1
PT-I.CO2	-	-	-	3	-	-	2	-	-	-
PT-I.CO3	3	-	-	2	-	-	-	-	-	-
PT-I.CO4	-	-	3	-	-	-	-	-	-	-
PT-I.CO5	2	3	-	-	-	-	-	-	-	-
CO attainment	3	3	3	3	0	-	2	-	-	-



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

III-PHARMACOLOGY-II

COURSEOUTCOME	PROGRAMMEOUTCOME									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
PCOL.CO1	2	2	3	2	-	1	-	3	2	2
PCOL.CO2	2	2	2	2	-	1	-	2	2	2
PCOL.CO3	2	2	2	2	-	1	-	2	2	2
PCOL.CO4	2	2	2	2	-	1	-	2	2	2
PCOL.CO5	2	2	2	3	1	3	1	1	2	2
PCOL.CO6	3	3	3	3	1	3	1	3	2	2
CO attainment	2	2	2	2	1	2	1	2	2	2

IV- HOSPITAL PHARMACY

COURSEOUTCOME	PROGRAMMEOUTCOME									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
HP.CO1	2	2	3	3	3	3	2	3	3	1
HP.CO2	2	2	3	3	2	2	1	2	1	1
HP.CO3	2	3	3	2	2	3	1	1	1	1
HP.CO4	2	3	3	2	2	3	1	1	1	1
HP.CO5	3	2	1	3	2	3	1	3	1	1
HP.CO6	3	3	3	3	2	3	2	3	1	1
CO attainment	2	2	3	3	2	3	2	3	1	1


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

V- PHARMACO EPIDEMIOLOGY & PHARMACO ECONOMICS

COURSE OUTCOME	PROGRAMME OUTCOME									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
PE&PE.CO1	2	2	3	3	-	2	1	1	2	2
PE&PE.CO2	2	2	2	3	1	1	-	2	1	1
PE&PE.CO3	2	2	2	3	2	3	1	2	3	2
PE&PE.CO4	2	2	2	3	1	1	-	2	1	1
CO attainment	2	2	2	3	2	2	1	2	2	2


Principal

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