B. Pharmacy

II Semester

BP201T. HUMAN ANATOMY AND PHYSIOLOGY-II

At the end of the course, the student will be able to:

CO No.	COURSE OUTCOMES
BP201T.1	Explain the gross morphology, structure, and functions of various organs of the human body
BP201T.2	Describe the various homeostatic mechanisms and their imbalances
BP201T.3	Identify the various tissues and organs of different systems of human body
BP201T.4	Appreciate coordinated working pattern of different organs of each system
BP201T.5	Appreciate the inter linked mechanisms in the maintenance of normal
	functioning(homeostasis)of human body

Course Articulation Matrix: Mapping of COs with POs

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP201T.1	2	1	0	2	0	1	0	0	1	3	0
BP201T.2	3	1	0	2	0	1	0	0	1	2	0
BP201T.3	2	1	0	1	0	1	0	0	2	2	0
BP201T.4	2	3	0	1	0	1	0	0	2	2	0
BP201T.5	2	3	0	1	0	1	0	0	2	2	0

PO1: Pharmacy Knowledge, PO2: Planning Abilities, PO3: Problem analysis, PO4: Modern tool usage, PO5: Leadership skills PO6: Professional identity, PO7: Pharmaceutical ethics, PO8: Communication, PO9: Pharmacist & society, PO10: Environment & sustainability, PO11: Life-long learning.

BP202T. PHARMACEUTICAL ORGANIC CHEMISTRY-I

At the end of the course, the student will be able to:

CO No.	COURSE OUTCOMES
BP202T.1	Knowledge of the classification, nomenclature, structure and the type of isomerism of the organic compound
BP202T.2	Understanding of important physical properties, reactions (and underlying mechanisms) and methods of preparation of various functional groups.
BP202T.3	Account for reactivity/stability of compounds and intermediates forming in reactions
BP202T.4	Identify / confirm the identification of organic compound.

Course Articulation Matrix: Mapping of COs with POs

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP202T.1	2	0	1	2	0	0	0	1	0	1	3
BP202T.2	2	0	1	2	0	0	0	1	0	1	3
BP202T.3	2	0	1	2	0	0	0	1	0	1	3
BP202T.4	2	0	1	2	0	0	0	1	0	1	3

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BP203T. BIOCHEMISTRY

At the end of the course, the student will be able to:

CO No.	COURSE OUTCOMES
BP203T.1	Understand classification, chemical nature, biological role and metabolism of biomolecules.
BP203T.2	Understand bioenergetics and biological oxidation pathway
BP203T.3	Understand the genetic organization of mammalian genome and functions of DNA in the synthesis of RNAs and proteins
BP203T.4	Understand the catalytic role of enzymes and importance of enzyme in biochemical process.

Course Articulation Matrix: Mapping of COs with POs

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP203T.1	3	0	0	1	0	0	0	0	1	0	0
BP203T.2	3	0	0	1	0	0	0	0	1	0	0
BP203T.3	3	0	0	1	0	0	0	0	1	0	0
BP203T.4	3	0	0	1	0	0	0	0	1	0	0

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BP204T. PATHOPHYSIOLOGY

At the end of the course, the student will be able to:

CO No.	COURSE OUTCOMES
BP204T.1	Describe the etiology and pathogenesis of the selected disease states
BP204T.2	Name the signs and symptoms of the diseases
BP204T.3	Mention the complications of the diseases

Course Articulation Matrix: Mapping of COs with POs

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP204T.1	3	0	0	0	0	0	0	0	0	0	3
BP204T.2	3	0	0	0	0	0	0	0	0	0	3
BP204T.3	3	0	0	0	0	0	0	0	0	0	3

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BP205T. COMPUTER APPLICATION IN PHARMACY

At the end of the course, the student will be able to:

CO No.	COURSE OUTCOMES
BP205T.1	Know the various types of application of computers in pharmacy.
BP205T.2	Know the various types of databases.
BP205T.3	Know the various applications of databases in pharmacy

Course Articulation Matrix: Mapping of COs with POs

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP205T.1	1	0	0	3	0	0	0	0	0	0	3
BP205T.2	0	0	0	3	0	0	0	0	0	0	3
BP205T.3	1	0	0	3	0	0	0	0	0	0	3

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BP206TP. ENVIRONMENTAL SCIENCES

At the end of the course, the student will be able to:

CO No.	COURSE OUTCOMES
BP206T.1	Create the awareness about environmental problems among learners
BP206T.2	Impart basic knowledge about the environment and its allied problems
BP206T.3	Develop an attitude of concern for the environment.
BP206T.4	Motivate learner to participate in environment protection and environment improvement.
BP206T.5	Acquire skills to help the concerned individuals in identifying and solving environmental problems
BP206T.6	Strive to attain harmony with Nature

Course Articulation Matrix: Mapping of COs with POs

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP206T.1	0	0	0	0	0	0	3	0	2	2	2
BP206T.2	0	0	0	0	0	0	3	0	2	3	3
BP206T.3	0	0	0	0	0	0	3	0	2	3	3
BP206T.4	0	0	0	0	0	0	3	0	2	2	3
BP206T.5	0	0	0	0	0	0	3	0	2	3	2
BP206T.6	0	0	0	0	0	0	3	0	2	3	3

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BP207P. HUMAN ANATOMY AND PHYSIOLOGY-II

At the end of the course, the student will be able to:

CO No.	COURSE OUTCOMES
BP207P.1	To study the gross morphology, structure and functions of nervous,
	respiratory, urinary and reproductive systems in the
	human body.
BP207P.2	To identify the various organs of different systems of human
	body
BP207P.3	To perform and learnt about the experiments like neurological
	reflex, body temperature measurement.
BP207P.4	To perform the hematological tests like blood cell counts, hemoglobin
	estimation, bleeding/clotting time etc. and also to record blood pressure,
	heart rate, pulse and respiratory volume.

Course Articulation Matrix: Mapping of COs with POs

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP207P.1	3	1	1	0	0	0	0	2	1	0	3
BP207P.2	3	1	1	0	0	0	0	2	2	0	3
BP207P.3	3	1	1	1	0	0	0	2	1	0	3
BP207P.4	3	1	1	2	0	0	0	2	2	0	3

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BP208P. PHARMACETICAL ORGANIC CHEMISTRY-I

At the end of the course, the student will be able to:

CO No.	COURSE OUTCOMES
BP208P.1	Knowledge of safety measures in organic chemistry laboratory and various laboratory techniques.
BP208P.2	Understanding of steps involved in identification of unknown organic compound.
BP208P.3	Ability to prepare suitable solid derivatives from organic compounds.
BP208P.4	Develop skills to prepare stereo models containing various functional groups.

Course Articulation Matrix: Mapping of COs with POs

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP208P.1	2	0	1	2	0	0	0	1	0	1	3
BP208P.2	2	0	1	2	0	0	0	1	0	1	3
BP208P.3	2	0	1	2	0	0	0	1	0	1	3
BP208P.4	2	0	1	2	0	0	0	1	0	1	2

PO1: Pharmacy Knowledge, PO2: Planning Abilities, PO3: Problem analysis, PO4: Modern tool usage, PO5: Leadership skills PO6: Professional identity, PO7: Pharmaceutical ethics, PO8: Communication, PO9: Pharmacist & society, PO10: Environment & sustainability, PO11: Life-long learning.

BP209P. BIOCHEMISTRY

At the end of the course, the student will be able to:

CO No.	COURSE OUTCOMES
BP209P.1	Learn quantitative analysis test of carbohydrates, amino acids and proteins
BP209P.2	Understand qualitative analysis of urine for normal constituents.
BP209P.3	Study principle and procedure for determination of serum total cholesterol, blood sugar and blood creatinine.
BP209P.4	Understand role of salivary amylase.

Course Articulation Matrix: Mapping of COs with POs

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP209P.1	2	0	0	0	0	0	0	0	2	0	0
BP209P.2	2	0	0	1	0	0	0	0	2	0	0
BP209P.3	2	0	0	2	0	0	0	0	2	0	0
BP209P.4	2	0	0	1	0	0	0	0	2	0	0

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BP210P. COMPUTER APPLICATION IN PHARMACY

At the end of the course, the student will be able to:

CO No.	COURSE OUTCOMES
BP210P.1	Design a questionnaire using a word processing package to gather information about a particular disease.
BP210P.2	Create a database, invoice table and HTML web page.
BP210P.3	Drug information storage and retrieval using MS Access.
BP210P.4	Exporting Tables, Queries, Forms and Reports to web pages and XML pages.

Course Articulation Matrix: Mapping of COs with POs

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP210P.1											
	0	1	1	3	1	1	0	2	0	0	3
BP210P.2	0	1	1	3	1	1	0	2	0	0	3
BP210P.3	0	1	1	3	1	1	0	2	0	0	3
BP210P.4	0	1	1	3	1	1	0	2	0	0	3

PO1: Pharmacy Knowledge, PO2: Planning Abilities, PO3: Problem analysis, PO4: Modern tool usage, PO5: Leadership skills PO6: Professional identity, PO7: Pharmaceutical ethics, PO8: Communication, PO9: Pharmacist & society, PO10: Environment & sustainability, PO11: Life-long learning.