



THE ROYAL GONDWANA COLLEGE OF PHARMACY

B. Pharm & D. Pharm (DTE Code: 4680)

(Approved by PCI New Delhi, Government of Maharashtra IDTE Mumbai &

Affiliated to DBATU, Lonere & MSBTE Mumbai)

Shankarpur, P.O Khapri, Wardha Road, Nagpur- 441108(M.S)



COURSE OUTCOMES 2022-23		
BACHELOR OF PHARMACY		
SUBJECT CODE	B. PH. I - FIRST SEMESTER	
BP101T	Human Anatomy and Physiology I	
	CO1	Understand the basic terminologies in anatomy and physiology, structure of cell, cell division, cell communication and different types of tissue
	CO2	Summarize skeletal system, types of bone, salient features and functions of bones of axial and appendicular skeletal system.
	CO3	Relate physiology of body fluids, blood and lymphatic system and disorders associated with it
	CO4	Explain the anatomy and physiology of cardiovascular system and disorders associated with it
	CO5	Illustrate the anatomy and physiology of peripheral nervous system, integumentary system and skeletal system
BP107P	Human Anatomy and Physiology I	
	CO1	Memorize microscopic structure of different types of tissues
	CO2	Tabulate, Identify, Distinguish Axial and Appendicular bones
	CO3	Determine different hematological and cardiovascular parameters
BP102T	Pharmaceutical Analysis I	
	CO1	Study the fundamentals of quantitative analysis
	CO2	Analyze the principle, reaction, standardization and assay procedure of some drugs
	CO3	Classify and describe different types of titrimetric analysis
	CO4	Illustrate the applications of electroanalytical techniques in analysis
	CO5	Linking the principle, types of electrodes, instrumentation and applications of Potentiometry, Conductometry and Polarography
BP108P	Pharmaceutical Analysis I	
	CO1	Acquire skills to prepare Standard reagents
	CO2	Perform standardization of solutions and percentage purity determination
	CO3	Perform different types of titrimetric analysis
	CO4	Applications of electroanalytical techniques in Analysis
BP103T	Pharmaceutics I	
	CO1	Describe the history and development of pharmacy and Pharmacopoeias and solve pharmaceutical calculations
	CO2	Classify the pharmaceutical Dosage forms and make the use of systems of weights and measures in pharmaceutical calculations
	CO3	Analyze the prescription and make use of the knowledge of posology and formulae to calculate accurate doses of drugs even for children



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	CO4	Understand and classify the type of incompatibility in the prescription
	CO5	Understanding Pharmaceutical incompatibilities
BP109P	Pharmaceutics I	
	CO1	Formulate liquid dosage forms
	CO2	Formulate solid and semi-solid dosage forms
	CO3	Professional Way of handling of prescription
BP104T	Pharmaceutical Inorganic Chemistry	
	CO1	Know the sources of impurities and methods to determine the impurities in inorganic drugs and pharmaceuticals as per pharmacopoeia.
	CO2	Understand the preparations and pharmaceutical importance of inorganic compounds
	CO3	Explain the role of various major intra and extra cellular fluids and electrolytes.
	CO4	Explain the various aspects of Radiopharmaceuticals.
	CO5	Grade specific test and limit test of inorganic compound as per pharmacopoeia
BP110P	Pharmaceutical Inorganic Chemistry	
	CO1	Implement the role of major extra and intracellular fluid electrolytes
	CO2	Apply the process of preparation and identification of some inorganic compound
	CO3	Evaluate specific test and limit test of inorganic medicinal compounds as per official pharmacopoeia
	CO4	Perform the process of preparation and identification of some inorganic compounds.
BP105T	Communication skills	
	CO1	Describe the process of communication and Barriers in Communication
	CO2	Classify different communication styles and listening
	CO3	Explain written communication
	CO4	Explain interview techniques and group discussion
	CO5	Construct the sentences with different styles like pronunciation
BP111P	Communication skills	
	CO1	Apply the process of communication
	CO2	Resolve Barriers in Communication
	CO3	Apply interview techniques and group discussion
	CO4	Doing effective communication
BP106RBT	Remedial Biology	
	CO1	Specify the classification and salient features of five kingdom of life
	CO2	Interpretation and Illustration of basic component of plant anatomy and physiology



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	CO3	Elaborate the basic anatomy and physiology of circulatory, digestive and respiratory system.
	CO4	Comprehensive the basic anatomy and physiology of excretory, nervous and reproductive system.
	CO5	Clarify the parameters related to plant physiology
	CO6	Understand the physiological parameters related to human system.
BP112RBP	Remedial Biology	
	CO1	Basic understanding of microscope and techniques of section cutting, mounting, staining and permanent slide preparation.
	CO2	Acquire knowledge of Stem, Root, Leaf, seed, fruit, flower and their modifications.
	CO3	Able to identify bones, measure BP and determine the blood group and tidal volume.
	CO4	Able to identify bones, measure BP and determine the blood group and tidal volume.
BP106RMT	Remedial Mathematics	
	CO1	Apply Mathematical Concepts and principle to perform computations for Pharmaceutical Sciences
	CO2	Create, use and analyze mathematical Representations and mathematical relationship
	CO3	Communicate mathematical knowledge and understanding to help in the field of Clinical Pharmacy
	CO4	Perform abstract mathematical reasoning