REVISED CHOICE BASED CREDIT SYSTEM (R-CBCS)SEM IV

Sr.No.	Code	Name of Subject	Course outcome
32	BP401T	PHARMACEUTICAL ORGANIC CHEMISTRY –III	1. Student shall be able to understand the methods of preparation and properties of organic compounds
			2. Student shall be able to explain the stereo chemical aspects of organic compounds and stereo chemical reactions
			3. Student shall be able to know the medicinal uses and other applications of organic compounds
33	BP402T	MEDICINAL CHEMISTRY – I	1. Student shall be able to understand the chemistry of drugs with respect to their pharmacological activity
			2. Student shall be able to understand the drug metabolic pathways, adverse effect and therapeutic value of drugs
			3. Student shall be able to know the Structural Activity Relationship (SAR) of different class of drugs
			4. Student shall be able to write the chemical synthesis of some drugs
34	BP403T	PHYSICAL PHARMACEUTICS-II	1.Student shall be able to understand various physicochemical properties of drug molecules in the designing the dosage forms
			2. Student shall be able to know the principles of chemical kinetics & to use them for stability testing and determination of expiry date of formulations
			3.Student shall be able to demonstrate use of physicochemical properties in the formulation development and evaluation of dosage forms
35	BP404T	PHARMACOLOGY-I	1. Student shall be able to understand the pharmacological actions of different categories of drugs
			2. Student shall be able to explain the mechanism of drug action at organ system/sub cellular/ macromolecular levels.
			3. Student shall be able to apply the basic pharmacological knowledge in the prevention and treatment of various diseases.
			4. Student shall be able to observe the effect of drugs on animals by simulated experiments
			5. Student shall be able to appreciate correlation of pharmacology with other bio medical sciences
36	BP405T	PHARMACOGNOSY AND PHYTOCHEMISTRY I	1. Student shall be able to know the techniques in the cultivation and production of crude drugs
			2. Student shall be able to know the crude drugs, their uses and chemical nature
			3. Student shall be able know the evaluation techniques for the herbal drugs
			4. Student shall be able to carry out the microscopic and morphological evaluation of crude drugs
37	BP406P	MEDICINAL CHEMISTRY – I	1. Student shall be able to know Preparation of drugs or intermediates like 1,3-pyrazole,2,3-diphenyl quinoxaline
			2. Student shall be able to know Assay of drugs Chlorpromazine ,Phenobarbitone, Atropine
38	BP407P	PHYSICAL PHARMACEUTICS- II	1.Student shall be able know Determination of particle size, particle size distribution using sieving method and Microscopic method
			2. Student shall be able to know Determination of bulk density, true density and porosity,angle of repose and viscosity of liquid
			3. Student shall be able to know Determination of reaction rate constant first order and second order.
39	BP408P	PHARMACOLOGY I	1.Student shall be able to know Introduction of experimental pharmacology.
			2.Student shall be able to know Study of common laboratory animals.
			3. Student shall be able to know laboratory techniques like Blood withdrawal, serum and plasma separation, anesthetics and euthanasia used for animal studies.
			4. Student shall be able to understand effect of drugs on ciliary motility of frog oesophagus and on rabbit eye.
			5.Student shall be able to syudy stereotype and anti-catatonic activity and anxiolytic activity of drugs
40	BP409P	PHARMACOGNOSY AND PHYTOCHEMISTRY I	1. Student shall be able to determine of stomatal number and index, vein islet number, vein islet termination and paliside ratio.
			2. Student shall be able to determine ofsize of starch grains, calcium oxalate crystals
			3.Student shall be able to determine of Extractive values of crude drugs and moisture content
			4. Student shall be able to determine of number of starch grains by Lycopodium spore method