

B.PHARMACY - SEMESTER – I

Course Code	Name of the Course	Course outcome
BP101T / BP210P	Human Anatomy and Physiology I– Theory &Practicals	To understand and to know about various organs, tissues, functions of each part of body. To understand the physiological mechanism to relate to diseases. Learn the body's structure and microscopic studies.
BP102T/ BP108P	Pharmaceutical Analysis I – Theory &Practicals	Understand the knowledge on preparatory pharmacy and professional way of preparing various conventional drugs.
BP103T/ BP109P	Pharmaceutics I – Theory &Practicals	Understands the knowledge on preparatory pharmacy and professional way of preparing various conventional drugs
BP104T / BP110P	Pharmaceutical Inorganic Chemistry – Theory &Practicals	Understand and have an idea on the inorganic compounds used in medicines
BP105T / BP111P	Communication skills – Theory &Practicals	Understand the behavioural needs of a pharmacist to function effectively in areas of pharmaceutical operation, develop interview skillset.
BP106RBT/ BP112RBP	Remedial Biology – Theory &Practicals	Students learn and understand the basic concepts of botany and zoology and their interconnection with pharmaceutical sciences
BP106RMT	Remedial Mathematics – Theory	Know the theory and their application in pharmacy. Solve different types of problems by applying theory. Appreciate the important applications of maths in pharmacy.

B.PHARMACY - SEMESTER – II

Course Code	Name of the Course	Course outcome
BP201T/ BP207P	Human Anatomy and Physiology II – Theory &Practicals	Students can understand the structure and functions of CNS, digestive system, reproductive and urinary and endocrine system. Learn about visual activity, sense, auditory, differential WBC etc.
BP202T/ BP208P	Pharmaceutical Organic Chemistry I – Theory &Practicals	Understand the preparation , properties, general reaction and mechanism of basic reactions like substitution, elimination, addition etc
BP203T / BP209P	Biochemistry – Theory &Practicals	Understand the knowledge of biochemical reactions and pathways and efficiency diseases, structures functions of DNA and RNA
BP204T	Pathophysiology – Theory	Relate the symptoms with diseases and treatment. Learn about theWHO guidelines for various reference values. Severity and precautionary measures of any diseases.
BP205T/ BP210P	Computer Applications in Pharmacy – Theory &Practicals	Uses and applications of computers in pharmacy.
BP206T	Environmental sciences – Theory*	Students gain knowledge about Enivronmental conditions, hazards, contaminants and their analysis.

B.PHARMACY - SEMESTER – III

Course Code	Name of the Course	Course outcome
BP301T/ BP305P	Pharmaceutical Organic Chemistry II – Theory & Practical	Understand the stereochemistry and preparations, properties of heterocyclic compounds. Understand the polynuclear hydrocarbon reactions.
BP302T / BP306P	Physical PharmaceuticsI – Theory & Practical	It deals with physic chemical principles involved in the practice of pharmacy. Hence they would understand and apply the same in advanced study.
BP303T / BP307P	Pharmaceutical Microbiology – Theory & Practical	Understand the cultivation of microbes. Learn the sterility testing of pharmaceuticals products and their microbial standardisation.
BP304T / BP308P	Pharmaceutical Engineering – Theory & Practical	Students will learn basic in the pharmaceutical engineering II and apply their knowledge's to their respective fields.

B.PHARMACY - SEMESTER – IV

Course Code	Name of the Course	Course outcome
BP401T	Pharmaceutical Organic Chemistry III – Theory	Have an idea about the stereo chemical aspects of medicinal compounds
BP402T / BP406P	Medicinal Chemistry I – Theory & Practical	Able to understand concepts related to rational drug design. Gains complete knowledge on mode of action and structures of various drugs.
BP403T / BP407P	Physical Pharmaceutics II – Theory & Practical	Students able to do the practical's related to physical pharmaceutics II. They can able to understand the basics about micromeritics, thermodynamics, kinetic phase equilibrium etc.
BP404T / BP408P	Pharmacology I – Theory & Practical	Students can bale to understand the drugs and diseases of autonomic nervous system, general pharmacology, autocoid. Practical's using animal simulator.
BP405T / BP409P	Pharmacognosy I – Theory & Practical	Students will be able to understand the basic concepts of pharmacognosy, in depth practical skills, various secondary metabolites and their application in pharmacy field.

B.PHARMACY - SEMESTER – V

Course Code	Name of the Course	Course outcome
BP501T	Medicinal Chemistry II – Theory	Classify and deal with the MOA of various category of drugs, Understand the biosynthesis of adrenergic and cholinergic neurotransmitters
BP502T/ BP506P	Industrial PharmacyI– Theory & Practical	Students developed a good knowledge and skill sin the development of different formulations and their evaluation characteristics
BP503T / BP507P	Pharmacology II – Theory & Practical	Students can be able to learn the disease and rug actin on CNS, CVS, respiratory and hormones
BP504T / BP508P	Pharmacognosy II – Theory & Practical	Will provide an insight on industrial and commercial potential and value additional of natural drugs, learn to integrate to additional Indian system of medicine with modern medicine
BP505T	Pharmaceutical Jurisprudence – Theory	The students will possess the knowledge on professional ethics, pharmaceutical legislation in India, Importance of PCI, SPCI, also about various acts and causes related to pharmacy and drug manufacturing and distribution eg D&C act 1940, DPC, patent design act etc and also about other laws prescribed by PCI from time to time

B.PHARMACY - SEMESTER – VI

Course Code	Name of the Course	Course outcome
BP601T / BP607P	Medicinal Chemistry III – Theory & Practical	Understand the progress of reaction by TLC and study the spectral analysis of synthesised compound. Understand the MOA and synthesis of various drugs.
BP602T / BP608P	Pharmacology III – Theory & Practical	Understand the in vitro experimentation of different drugs using specific tissues
BP603T / BP609P	Herbal Drug Technology – Theory & Practical	To know the importance about the newer technology in case of formulation and standardisation.
BP604T	Biopharmaceutics and Pharmacokinetics – Theory	Students able to understand basic and apply the pharmacokinetics and biopharmaceutics theory to their career.
BP605T	Pharmaceutical Biotechnology – Theory	TO know the importance of mono clonal antibodies in pharmaceutical industries and use of genetic engineering in pharmacy field
BP606T	Quality Assurance– Theory	Understand the GMP, CGMP, Validation, calibration of instruments, auditing facilities in the industry.

B.PHARMACY - SEMESTER – VII

Course Code	Name of the Course	Course outcome
BP701T	Instrumental Methods of Analysis – Theory & Practical	Study on various analytical instruments like spectrophotometer, chromatography, study on bio analytical methods.
BP702T	Industrial Pharmacy – Theory	Students can understand the formulation, methods of preparation and evaluation of tablets, capsules and various cosmetic products. Students can also understand the mechanism of tablet coating.
BP703T	Pharmacy Practice – Theory	Students will gain knowledge regarding various drug distribution methods, store management, identify drug related problems, monitor drug therapy, impart pharmaceutical care services, patient counselling and assist rational drug therapy.
BP704T	Novel Drug Delivery System – Theory	Students can benefit novelty in drug dosage designing, mode of administration and strategies to develop new drug dosage developments.

B.PHARMACY- SEMESTER – VIII

Course Code	Name of the Course	Course outcome (2-3 lines)
BP801T	Biostatistics and Research Methodology – Theory	Study on various methodologies like Mean, Median, mode , SD, ANOVA, Chi square test, T test, F Test. 2
BP802T	Social and Preventive Pharmacy – Theory	Students will be able to understand the general measures and strategies to be followed in social and preventive pharmacy.
BP803ET	Pharmaceutical Marketing – Theory	Study on accounting, marketing, principles, economy, trading procedures.
BP804ET	Pharmaceutical Regulatory Science – Theory	Current practice of GMP, GLP in drug regulatory affairs, Know about the concept of QMS and good distribution practices
BP805ET	Pharmacovigilance – Theory	Students will gain knowledge on monitoring, analysing and reporting of adverse drug reactions.
BP806ET	Quality Control and Standardization of Herbals – Theory	Students be able to understand the types of standardisation and methods of HPTLC for validation.
BP807ET	Computer Aided Drug Design – Theory	Students gain knowledge in QSAR to work on basis of drug discovery.
BP808ET	Cell and Molecular Biology – Theory	Students able to know cell structure, functions, composition, dna function in cells.

BP809ET	Cosmetic Science – Theory	Study on various cosmetic ingredients. Analysis of individual cosmetic products and stability studies and toxicological studies of cosmetic products.
BP810ET	Experimental Pharmacology – Theory	Candidates understand the pharmacokinetics and dynamic reactions of drug and its importance in treatment of disease and its ADR
BP811ET	Advanced Instrumentation Techniques – Theory	The course will help in imparting theoretical aspects, instrumentation and application of various techniques like spectroscopy, chromatography etc