B. Pharm. Semester-VII

COs	Statement
INSTRUMENTAL METHOD OF ANALYSIS (BP701TP)	
701.1	To provide an adequate knowledge of the principles, instrumentation and applications of common analytical techniques, molecular spectroscopy i.e. UV-visible spectroscopy, Flourimetry
701.2	To know the theoretical foundations, the potential and analytical applications of the most common instrumental techniques like Infrared spectroscopy, Atomic absorption spectroscopy, Flame Photometery and Nephloturbidometry.
701.3	To theoretically understand the aspects of basic separation techniques like column chromatography, Thin layer chromatography, & Paper chromatography
701.4	To introduce and illustrate the main concepts related to electrophoresis.
701.5	Understand the basic design and operating principles of some modern instruments used in chemical analysis, specifically separations like chromatographic techniques HPLC and Gas chromatography
701.6	To integrate a fundamental understanding of Affinity chromatography, ion exchange chromatography and Gel chromatography.
INDUSTRIAL PHARMACY II (BP702TT)	
702.1	Understand the process of pilot plant and scale up of pharmaceutical dosage forms
702.2	Able to Understand and implement the process of technology transfer from lab scale to industrial scale.
702.3	Able to learn about need of regulatory affairs professionals in society
702.4	Understand regulatory requirements for drug approval procedure and document submission of products.
702.5	Can implement different concept quality management in product
702.6	Clarify about different Laws and Acts that regulate pharmaceutical industry
PHARMACY PRACTICE II (BP703TT)	
703.1	Understand about hospital and working inside it
703.2	Apply the concept drug distribution system in hospital, drug formulary and drug monitoring
703.3	Understand about pharmacy and therapeutic committee and drug information services
703.4	Apply the concept of patient counseling, training program and communication skills
703.5	Understand the concept of budget preparation, work of clinical pharmacy and OTC
703.6	Apply the concept of drug store management and inventory control, clinical test interpretation
NOVEL DRUG DELIVERY SYSTEM (BP704TT)	
704.1	Know the Concepts in Controlled drug delivery systems and Polymers
704.2	Details study of Microencapsulation, Mucosal Drug Delivery system, Implantable Drug Delivery Systems
704.3	Understand the Various concept of Transdermal Drug Delivery Systems

704.4	Able to Know system like Gastroretentive drug delivery systems, Nasopulmonary drug delivery system
704.5	Concepts of Targeted drug Delivery
704.6	Ability to understand Ocular Drug Delivery Systems and Intrauterine Drug Delivery Systems
PRACTICE SCHOOL (BP705PP)	
705.1	Assess the role of pharmacy professionals in the pharma fields like hospital, CHC centre, PHC centre, R & D, industry, drug store, drug regulatory body, public testing body.
705.2	Explain the theoretical aspects directly viewing production and other activity in above fields and can decide his/her career.
705.3	Develop the practical skill, team work and ethical thinking while working in industry.
705.4	Write the report in ethical manner.
705.5	Prepare offline interview/online presentation for evaluation
705.6	Display or Use the knowledge and skill developed during training in day to day experimental work/innovation
QUALITY ASSURANCE (BP706TT)	
C706.1	To understand concept cGMP aspects in a pharmaceutical industry and scope of quality certifications applicable to pharmaceutical industries
C706.2	To understand structure and organization premises, various departments, equipment's and raw materials purchase and maintenance of stores for pharmaceutical Industry.
C706.3	Understand the role and responsibilities of QA & QC departments.
C706.4	Able to understand the scope of quality certifications applicable to pharmaceutical industries.
C706.5	To know the importance of documentation in pharmaceutical Industry.
C706.6	Able to understand calibration and validation of instruments.