Course code/ Course name		**Course Outcome**
Course code/ Course name		**Course Outcome**
BP101T Human Anatomy and Physiology I	**BP101T.1**	Define various anatomical terms of human body and Describe the progression of structural levels (cells, tissues, organs, and systems) contributes to the body's order, there function and stability.
	BP101T.2	Understand and Remember the basic anatomy of human circulatory system, musculoskeletal system, peripheral nervous system and special senses
	BP101T.3	Explain the physiology and disorders of human musculoskeletal and special senses.
	BP101T.4	Understand the physiology and disorders of human circulatory system and peripheral nervous system
	Average	

Course code/ Course name		**Course Outcome**
BP102T Pharmaceutical Analysis I	**BP102T.1**	**Describe** theoretical aspects of volumetric analysis, acid base , non aqueous, precipitation, gravimetric, redox, complexometric titration, conductometry, potentiometry and polarography, disuss pharmacopoiea, sources of impurity
	BP102T.2	**Discuss** factors affecting the volumetric analysis, conductometry, potentiometry, polarography
	BP102T.3	**Explain** rationale and methodology of standardization of various molar/ normal solutions, acid base,non aqueous, precipitation, gravimetric, redox, complexometric titrations, instrumentation of conductometry, polarography, potentiometry, limit tests
	BP102T.4	**Summarise** applications of acid base,non aqueous, precipitation, gravimetric, redox, complexometric titrations, instrumentation of conductometry, polarography, potentiometry
	Average	
	BP103T.1	Understand basic concepts of prescription, incompatibility, different dosage forms and knowledge of pharmacopoeias in pharmacy.
	BP103T.2	Learn and memorize history of pharmacy profession, pharmaceutical industry in India, parts of prescription, formulation ingredients of different dosage forms, types of incompatibility and to understand

Course code/ Course name		**Course Outcome**
BP103T Pharmaceutics I	**BP103T.3**	Describe different methods to formulate and evaluate different types of dosage forms, different approaches to increase drug solubility, methods to overcome instability problems in biphasic liquid dosage form and Pharmaceutical calculations.
	BP103T.4	Apply knowledge and logic behind to develop various types of dosage form and to calculate pediatric dose based on age, body weight and body surface area.
	Average	
BP104T Pharmaceutical Inorganic Chemistry	**BP104T.1**	**Understand the basic concept of pharmaceutical inorganic chemisrty in reference to different monograph prescibed**
	BP104T.2	**Remember the properties of monograph of inorganic compound**
	BP104T.3	**Describe the method of preparation of different inorganic compounds**
	BP104T.4	**Applications and uses of different monograph of inorganic copounds as a pharmaceuticals**
	Average	
BP105T Communication skills	**BP105T.1**	To study and recall the basic concepts related to Communication, Listening skills, Writing skills, Interview skills, Presentation, Group Discussion.
	BP105T.2	To understand the behavioral needs for a Pharmacist to function effectively in the areas of pharmacy.

Course code/ Course name		Course Outcome
BP105T Communication skills	BP105T.3	To describe the methodology involve in developing interview skills, Leadership qualities and essentials communication.
	BP105T.4	To apply the subject knowledge to interact effectively with other health workers and Professionals.
	Average	
BP106RBT Remedial Biology	BP106RBT.1	**Define** various Biological and anatomical terms of Living word, Plant tissue culture, human body and Describe the progression of structural levels (cells, tissues, organs, and systems) contributes to the body's order, there function and stability.
	BP106RBT.2	**Understand** the basic anatomy of human circulatory system, digestive system, nervous system, urinary system, endocrine system and Reproductive system
	BP106RBT.3	**Remember** the physiology of Excretory organ, nervous system, endocrine system and reproductive system
	BP106RBT.4	**lern** about plant and mineral nutrition, photosynthesis, plant repiration, plant growth and development .
	Average	
	BP106RMT.1	**Define** and **Understand** mathematical concepts and principles of Partial fraction, Logarithms, Function, Limits and continuity, Matrices and Determinant, Analytical Geometry, Calculus, Differential Equations, Laplace Transform

Course code/ Course name		**Course Outcome**
BP106RMT Remedial Mathematics	**BP106RMT.2**	**Remember** the various theorem of Partial fraction, Logarithms, Function, Limits and continuity, Matrices and Determinant, Analytical Geometry, Calculus, Differential Equations, Laplace Transform
	BP106RMT.3	**Use** mathematical representations and mathematical relationships of Partial fraction, Logarithms, Function, Limits and continuity, Matrices and Determinant, Analytical Geometry, Calculus, Differential Equations, Laplace Transform
	BP106RMT.4	**Illustrate** the application of Partial fraction, Logarithms, Function, Limits and continuity, Matrices and Determinant, Analytical Geometry, Calculus, Differential Equations, Laplace Transform
	Average	
BP107P Human Anatomy and Physiology	**BP107P.1**	Understand the handling of basic clinical equipments such as microscope, stethoscope, sphygmomanometer and chemicals with respect to safety aspect.
	BP107P.2	Identify the models/slides of bones and Human tissue (epithelial, connective, muscular and nerous)
	BP107P.3	Determine blood group, bleeding time, clotting time, RBC Count, WBC count, hemoglobin and vital sign (blood pressure, heart rate and ESR)
	BP107P.4	Understand the clinical significance of determination of blood group, bleeding time, clotting time, RBC Count, WBC count, hemoglobin and vital sign (blood pressure, heart rate and ESR)

Course code/ Course name		Course Outcome
	Average	
BP108P Pharmaceutical Analysis I	**BP108P.2**	Understand about the theoretical principles and applications of Acid base, redox, precipitation, compexomtric, non aqueous titrations, limit test of chloride, iron and sulphate, conductometric and potentiometric titrations
	BP108P.1	lmplement safety measures while handling of equipment and chemicals
	BP108P.3	Understand basic experimental set up and perform experiments on Acid base, redox, precipitation, compexomtric, non aqueous titrations, limit test of chloride, iron and sulphate, conductometric and potentiometric titrations
	BP108P.4	To record analytical data and results of experiments
	Average	
BP109P Pharmaceutics I	**BP109P.1**	Ability to organize basic setup and perform experiments on formulation, packaging and labeling of different dosage forms.
	BP109P.2	Understand basic concept, principle and methods involved in formulation of different dosage forms, and study on different packaging and its labeling materials.
	BP109P.3	Maintain the record related to procedural methods, patient counseling and storage condition of dosage forms with pharmacopoeial specifications.

Course code/ Course name		**Course Outcome**
	BP109P.4	Understand the safety and stability aspects to handle chemicals, various instruments and equipments.
	Average	
BP110P Pharmaceutical Inorganic Chemistry	**BP110P.1**	Understand the handling of various instruments and chemicals with safety , MSDS aspects.
	BP110P.2	To understand the basic concept and principles of qualitative analysis of inorganic compounds
	BP110P.3	To perform the experiment regarding qualitative and quantitative analysis including limit test swelling power, acid neutralising capacity, adsorption property of various inorganic compound
	BP110P.4	Prepare the lab record book related to experimental procedure, observation, calculation and result of experiment
	Average	
BP111P Communication skills	**BP111P.1**	To understand Effective Communication Skills, Writing Skills, Interview Skills, Presentation Skills and E-Mail etiquette.
	BP111P.2	To learn the basic concept of Effective Communication including Pronunciations, Direct and Indirect Speech, Interview Handling Skills and E-Mail etiquette.
	BP111P.3	To demonstrate skill of Experiment related to Effective Communication Skills as mentioned.

Course code/ Course name		**Course Outcome**
	BP111P.4	To record the data related to experiments implicated in the concerned subject.
	Average	
BP112RBP Remedial Biology	**BP112RBP.1**	Understand the handling of basic clinical equipments such as microscope, stethoscope, sphygmomanometer and chemicals with respect to safety aspect.
	BP112RBP.2	Identify the models/slides of bones and Human tissue (epithelial, connective, muscular and nerous). prepare slides based on stem, root, leaf.
	BP112RBP.3	Determine blood group and vital sign (blood pressure, heart rate)
	BP112RBP.4	Understand the clinical significance of determination of blood group, bleeding time, clotting time, RBC Count, WBC count, hemoglobin and vital sign (blood pressure, heart rate and ESR)
	Average	
BP201T Human Anatomy and Physiology II	**BP201T.1**	Describe structure of brains and spinal cord and Introduce basics of genetics and energetics
	BP201T.2	Understand the basic anatomy of endocrine glands, respiratory system, reproductive system, urinary system and digestive system.
	BP201T.3	Explain the physiology of endocrine hormones-neurohumoral control, processes of neuroconduction/neurotransmission, digestive system and respiratory system

Course code/ Course name		Course Outcome
	BP201T.4	Explain the physiology & disorders of human reproductive system and
	Average	
BP202T Pharmaceutical Organic Chemistry I	**BP202T.1**	write the structure, name and the type of isomerism of the organic compo
	BP202T.2	write the reaction, name the reaction and orientation of reactions
	BP202T.3	account for reactivity/stability of compounds
	BP202T.4	identify/confirm the identification of organic compound
	Average	
BP203T Biochemistry	**BP203T.1**	Understand basics of biomolecules such as carbohydrates, lipids, nucleic acids, protein, enzymes and bioenergetics.
	BP203T.2	Remember the chemistry of biomolecules and classification of enzyme, carbohydrates, lipids, nucleic acids, protein
	BP203T.3	Describe general metabolism process & steps involved in metabolism of carbohydrates, lipids, aminoacid & nucleic acid also discuss biological oxidation and the enzyme inhibition mechanism
	BP203T.4	Illustrate biochemical functions and applications of biomolecules

Course code/ Course name		**Course Outcome**
	Average	
BP204T Pathophysiology	**BP204T.1**	Define various terminologies of pathophysiology and summarize clinical features of various disease and disorder of human body
	BP204T.2	Explain basic etiology of various disease and disorder of human body
	BP204T.3	Know the pathogenesis of various disease and disorder of human body
	BP204T.4	Understand management of various disease and disorder of human body
	Average	
BP205T Computer Applications in Pharmacy	**BP205T.1**	To understand number systems, its conversion, calculations, concept of the information systems and software's used in Pharmaceutical field and its processes.
	BP205T.2	To know about web technologies, different databases and their applications in Pharmacy field.
	BP205T.3	To understand about use of questionnaire, Bioinformatics Databases, Impact of Bioinformatics in Vaccine discovery and data analysis in Preclinical development like CDS, LIMS, TIMS, following versatile applications of computers in Pharmacy Profession.
	BP205T.4	To learn about preparation of personal HTML webpage, invoice tables, generatation of reports from patients database, and Exporting Tables, Queries, Forms, Reports to web pages and to XML pages
	Average	

Course code/ Course name		**Course Outcome**
BP206T Environmental sciences	**BP206T.1**	Define basics about the environment and it's allied problems
	BP206T.2	Remember historical events and its effects that occured to the environment and the living species
	BP206T.3	Understand various cycles of ecosystem and processes that effect ecosystem and environment
	BP206T.4	Apply acquired skills to help the concerned individual in identifying and solving environmental problem.
	Average	
BP207P Human Anatomy and Physiology II	**BP207P.1**	Demonstrate use of family planning devices, pregnancy dignostic kits, general neurological examination, feedback mechanism, reflex activity
	BP207P.2	Identify the models/specimens of human organs and tissues of integumetry, nervous system, endocrine system, digestive system, respiratory system, cardiovasculatory system, urinary system and reproductive systems.
	BP207P.3	Determine tidal volume, vital capacity, body temperature, body mass index and function of special sensory organs
	BP207P.4	Understand and clarify the clinical significance of determination of tidal volume, vital capacity, body temperature, body mass index and function of special sensory organs
	Average	

Course code/ Course name		**Course Outcome**
BP208P Pharmaceutical Organic Chemistry I	**BP208P.1**	**Understand the safety aspects and handling of various equipments, instruments and chemicals .**
	BP208P.2	Systematicaly apply qualitative test for analysis of unknown organic compounds
	BP208P.3	**Remember principle for chemical test**
	BP208P.4	Construction of molecular models
	Average	
BP209P Biochemistry	**BP209P.1**	**Understand the safety aspects and handling of various equipments, instruments and chemicals .**
	BP209P.2	**Remember principle for various biochemical test**
	BP209P.3	**Qualitative analysis of carbohydrates & proteins and abnormal constituents in urine and quantitative estimation of glucose, urea, creatinine by colorimetry.**
	BP209P.4	**Understnd the clinical significance of estimation of glucose, urea, creatinine by colorimetry.**
	Average	
	BP210P.1	**To learn about questionnaire using word processing package to gether information on specific disease.**
	BP210P.2	**To understand on labeling wizards for generating labels in Microsoft word and use of various database of MS office in Pharmacy.**

Course code/ Course name		Course Outcome
BP210P Computer Applications in Pharmacy	BP210P.3	To learn about MS Assess database for various purpose like preparation of patient record, drug information storage and retrieval, creating invoice tables in Pharmacy.
	BP210P.4	To understand on exporting tables, queries, forms and report using MS Access data base, Web pages, XML pages.
	Average	