



Samarth Rural Educational Institute's
SAMARTH INSTITUTE OF PHARMACY, BELHE.

Approved by P.C.I. New Delhi, D.T.E., Govt. of Maharashtra &
Affiliated to D.B.A.T.U. Lonere & M.S.B.T.E. Mumbai.
On Kalyan Nagar Highway A/P-Belhe, Tal- Junnar, Dist-Pune Pin: 412410
Email:samarthiop@gmail.com, Web: iop.sreir.org

SEMESTER-I

Subject: Human Anatomy & Physiology-I

Subject Code: BP101T

Course Outcome	Description
BP101.1.	Explain the gross morphology, structure and functions of various organs of the human body.
BP101.2.	Describe the various homeostatic mechanisms and their imbalances.
BP101.3.	Identify the various tissues and organs of different systems of human body.
BP101.4.	Perform the various experiments related to special senses and nervous system.
BP101.5.	Appreciate coordinated working pattern of different organs of each system.

Subject: Human Anatomy & Physiology-I

Subject Code: BP107P

Course Outcome	Description
BP107.1.	Effectively use the microscope for microscopic study of various tissues.
BP107.2.	Identify axial and appendicular bones of human skeleton.
BP107.3.	Explain the gross morphology, structure and functions of various organs of human body.
BP107.4.	Identify different tissues and organs of different systems of human body.
BP107.5.	Perform the hematological test like blood cell count, hemoglobin estimation, bleeding/clotting time, etc.
BP107.6.	Record the blood pressure, heart rate, pulse rate and respiratory volume.

Subject: Pharmaceutical Analysis- I

Subject Code: BP102T

Course Outcome	Description
BP102T.1	To study fundamentals of pharmaceutical analysis and pharmacopoeia, and basic principles of data treatment and errors. To know the sources of impurities and methods to determine the impurities.
BP102T.2	Students will be able to understand concept, need and basic principles of Acid Base titration, non-aqueous titration.
BP102T.3	Students will be able to learn about the basic principles of complexometric titration, precipitation titrations, gravimetric analysis etc.
BP102T.4	Students will acquire knowledge about concept and reaction conditions for complications and basic concept, applications of redox reaction
BP102T.5	Students will be able to understand concepts of electrochemical methods of analysis.
BP102T.1	To study fundamentals of pharmaceutical analysis and pharmacopoeia, and basic principles of data treatment and errors. To know the sources of impurities and methods to determine the impurities.



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Subject: Pharmaceutical Analysis- I

Subject Code: BP108P

Course Outcome	Description
BP102T.1	To study fundamentals of pharmaceutical analysis and pharmacopoeia, and basic principles of data treatment and errors. To know the sources of impurities and methods to determine the impurities.
BP102T.2	Students will be able to understand concept, need and basic principles of Acid Base titration, non-aqueous titration.
BP102T.3	Students will be able to learn about the basic principles of complexometric titration, precipitation titrations, gravimetric analysis etc.
BP102T.4	Students will acquire knowledge about concept and reaction conditions for complications and basic concept, applications of redox reaction

Subject: Pharmaceutics

Subject Code: BP103T

Course Outcome	Description
BP103T.1	Student will be able to understand the history and development of pharmacy profession and different pharmacopoeias.
BP103T.2	Understand the basics of different dosage forms, pharmaceutical incompatibilities and pharmaceutical calculations.
BP103T.3	Understand the professional way of handling the prescription and counsel patient.
BP103T.4	Student will be able to explain the factors which influence the design of pharmaceutical dosage form and the need for accuracy and thoroughness in manufacture of pharmaceutical products.
BP103T.5	Student will acquire knowledge about preparation and evaluation of various conventional dosage form.

Subject: Pharmaceutics

Subject Code: BP109P

Course Outcome	Description
BP109P.1	Student will be able to understand preparation of Liquid dosage form.
BP109P.2	Student will be able to understand preparation of solid dosage form.
BP109P.3	Student will be able to understand preparation of semi- solid dosage form.



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Subject: Pharmaceutical Inorganic Chemistry Subject Code: BP104T

Course Outcome	Description
BP104T. 1	To understand the medicinal and pharmaceutical importance compounds and monographs of inorganic drugs and pharmaceuticals. History of Pharmacopoeia, Sources and types of impurities, limit test for Chloride, Sulphate, Iron, Arsenic, Lead and Heavy metals, modified limit test for Chloride and Sulphate.
BP104T. 2	Describe in detail Acid, Base, Buffer and various theories, Buffer equations and buffer capacity, preparation, stability, buffered isotonic solutions, buffers in pharmaceutical systems and measurements of tonicity, calculations and methods of adjusting isotonicity. Functions of major physiological ions, Electrolytes used in the replacement therapy. Dentifrices, role of fluoride in the treatment of dental caries, Desensitizing agents, and various monographs of inorganic drugs.
BP104T. 3	To gain the knowledge of preparation, mode of action, dosage form, and uses of inorganic compounds as Gastrointestinal drug, Acidifiers, Antacid, Cathartics, and Antimicrobials.
BP104T. 4	Define and elaborate the details of various inorganic medicinal agent like Expectorants, Emetics, Haematinics, Poison, Antidote and Astringents
BP104T. 5	To understand various aspects of Radiopharmaceutical.

Subject: Pharmaceutical Inorganic Chemistry Subject Code: BP110P

Course Outcome	Description
BP110P. 1	Perform the limit tests for various inorganic elements and report
BP110P. 2	Perform qualitative tests to systematically identify the unknown chemical substances
BP110P. 3	Test the purity of the selected inorganic and organic compounds against the monograph standards and Preparation of various inorganic pharmaceuticals

Subject: Communication Skill Subject Code: BP105T

Course Outcome	Description
BP105T.1	To understand Personal and interpersonal Communication need for the verbal as well as non-verbal in different types of barriers areas
BP105T.2	To Learn communicate effectively by understanding different element verbal and non-verbal communication.
BP105T.3	To Learn effectively manage the basic listening and effective written communication.
BP105T.4	To Understand the Interview skill in different public speaking skill.



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Subject: Communication Skill

Subject Code: BP111P

Course Outcome	Description
BP111P.1	To understand basic communication process to interact effectively one person to another person
BP 111P.2	To Learn pronunciations.
BP 111P.3	To understand listening comprehension direct and indirect speech figure of speech, effective e communication
BP111P.4	To study of writing skill Email- writing technique
BP111P.5	To Understand Interview handling skill, Presentation Skill,