

KIIT SCHOOL OF PHARMACY
KIMS, KIIT DEEMED TO BE UNIVERSITY
B. PHARM 1ST SEMESTER ASSIGNMENT TOPIC FOR ADMISSION BTACH 2025

Roll No.	HAP (BP101T)	Ph. Analysis (BP102T)	Ph. ceutics (BP103T)	Ph. Inorg. Chem.(BP104T)	Comm. Eng. (BP105T)	Rem. Math (BP106RMT)
25148001	Scope of anatomy and physiology	Definition and scope of Pharmaceutical analysis	History of profession of Pharmacy in India	History of Pharmacopoeia	Introduction to Communication Skill	Partial fraction
25148002	Basic life processes	Different techniques of analysis	Pharmacy as a career	Sources and types of impurities	The Importance of Communication	Application of Partial Fraction
25148003	Basics of Homeostasis mechanism	Methods of expressing concentration	Pharmacopoeias	Modified limit test for Chloride and Sulphat	The Communication Process	Plant Kingdom System
25148004	Basic anatomical terminology	Primary and secondary standards	Introduction to IP	Limit test for Chloride, Sulphate	Barriers to communication	Application of Logarithms
25148005	Structure of cell	Preparation and standardization of Oxalic acid	Introduction to BP	Limit test for Iron, Arsenic	Physiological, Physical, Cultural Barriers to communication	Function
25148006	Functions of Cell	Preparation and standardization of NaOH	Introduction to USP	Limit test for Lead and Heavy metals	Language, Gender, Interpersonal Barriers to communication	Respiration system
25148007	Transport mechanism across cell membrane	Preparation and standardization of HCl	Introduction to Extra Pharmacopoeia	Buffers in pharmaceutical systems,	Psychological, Emotional barriers to communication	Matrices
25148008	Cell division	Preparation and standardization of sodium thiosulphate	Introduction to dosage forms	Acids, Bases and Buffers	Perspectives in Communication	Matrices and Determinant
25148009	Mitotic Cell division	Preparation and standardization of H ₂ SO ₄	Introduction to solid dosage forms	Isotonic solution and Isotonicity	Factors affecting our perspective in communication	Cayley–Hamilton theorem
25148010	Meiotic Cell division	Preparation and standardization of KMnO ₄	Introduction to liquid dosage forms	Functions of major physiological ions	Elements of Communication	Calculus
25148011	Cell junctions	Preparation, standardization of ceric amm sulphate	Introduction to semisolid dosage forms	Major extra and intracellular electrolytes	Communication Style	Heart
25148012	Cell communications	Sources of errors	Prescription	Electrolytes used in the replacement therapy	Verbal communication elements	Application of Calculus
25148013	Forms of Cell communications	Types of errors	Posology	Physiological acid base balanc	Non-Verbal communication elements	Analytical Geometry
25148014	Epithelial tissue	Methods of minimizing errors	Factors affecting posology	Oral Rehydration Salt	Basic Listening Skill	Digestion and Absorption
25148015	Connective tissue	Pharmacopeia	Pharmaceutical calculations	Dental products	Effective Written Communication	Integration
25148016	Muscular tissue	Sources of impurities in medicinal agents	Metric system of Pharmaceutical calculations	Dentifrices	Writing Effectively for communication	Differential Equations



25148017	Nervous tissue	Limit test for impurities	Introduction to Powders	Fluoride in dental caries	Interview Skill	Application of Diff. equation
25148018	Structure and function of skin	Theories of acid base indicators	Classifications of powder	Gastrointestinal agents	Presentation skill	Laplace Transform
25148019	Physiology of skin	Classification of acid base titrations	Liquid dosage forms	Acidifiers	Communication skills in group discussion	Application of Laplace Transform
25148020	Types of skeletal systems	Neutralization curve	Excipients used in formulation of liquid dosage form	Antacid	Introduction to Communication Skill	Introduction matrices
25148021	Axial bones	Theory involved in titrations of strong acids	Solubility enhancement techniques	Cathartics	The Importance of Communication	Operation on matrices,
25148022	Appendicular bones	Theory involved in titrations of strong bases	Monophasic liquids	Antimicrobials	The Communication Process	Application of Matrices
25148023	Physiology of muscle contraction	Theory involved in titrations of weak acids	Suspensions	Expectorants	Barriers to communication	Hormones
25148025	Structure and functions of joints	Theory involved in titrations of weak bases	Emulsions	Emetics	Physiological, Physical, Cultural Barriers to communication	Application of Partial Fraction
25148025	Typical structure and function of cell nucleus	Theory involved in titrations of very weak acids	Stability problems of suspension and solutions	Haematinics	Language, Gender, Interpersonal Barriers to communication	Logarithms
25148026	Types of joints movements	Theory involved in titrations of very weak bases	Stability problems of emulsion and solutions	Poison and Antidote	Psychological, Emotional barriers to communication	Blood
25148027	Blood composition and function	Non aqueous titration	Suppositories	Astringents	Perspectives in Communication	Function
25148028	Hemopoiesis	Acidimetry and alkalimetry titration	Evaluation of suppositories	Radiopharmaceuticals	Factors affecting our perspective in communication	Limits and continuity
25148029	Blood clotting mechanism	Precipitation titrations	Pharmaceutical incompatibilities	Measurement of radioactivity	Elements of Communication	Brain
25148030	Formation of hemoglobin	Complexometric titration	Semisolid dosage form	Properties of α , β , γ radiations	Communication Style	Matrices and Determinant
25148031	Blood grouping system	Gravimetry	Factors influencing dermal penetration of drugs	Pharmaceutical application of radioactive substances	Verbal communication elements	Cayley-Hamilton theorem
25148032	Structure and function of hemoglobin	Basic introduction of Pharmaceutical Impurities	Excipients used in semi solid dosage form	Sources and types of impurities	Non-Verbal communication elements	Neurone
25148033	Structure and functions of lymphatic systems	Diazotisation titration.	Evaluation of semi solid dosages forms	Modified limit test for Chloride and Sulphat	Basic Listening Skill	Human Excretory system
25148034	Lymphatic circulations	Concepts of oxidation and reduction	Therapeutic incompatibilities	Limit test for Chloride, Sulphate	Effective Written Communication	Application of Calculus

25148035	Functions of lymphatic system	Types of redox titrations	Emulsifying agent	Limit test for Iron, Arsenic	Writing Effectively for communication	Analytical Geometry
25148036	Sympathetic system	Cerimetry	Flocculated and Deflocculated suspension	Limit test for Lead and Heavy metals	Interview Skill	Menstrual cycle
25148037	Parasympathetic system	Iodimetry	Gargles and Mouthwashes	Buffers in pharmaceutical systems,	Presentation skill	Integration
25148038	Peripheral nervous system	Iodometry	Parts of prescription	Acids, Bases and Buffers	Communication skills in group discussion	Plants and mineral nutrition
25148039	Structure and function of eye	Bromatometry	Pharmacy as a career in Hospital	Isotonic solution and Isotonicity	Introduction to Communication Skill	Application of Diff. equation
25148040	Structure and function of ear	Dichrometry	Pharmacy as a career in Industry	Functions of major physiological ions	The Importance of Communication	Laplace Transform
25148041	Structure and function of nose	Conductometry	Pharmaceutical incompatibilities	Major extra and intracellular electrolytes	The Communication Process	Application of Laplace Transform
25148042	Structure and function of tongue	Conductometric titrations	Suppositories	Electrolytes used in the replacement therapy	Barriers to communication	Introduction matrices
25148043	Special sense organs	Potentiometry	Emulsions	Physiological acid base balance	Physiological Barriers, Physical Barriers, Cultural Barriers to communication	Photosynthesis
25148044	Special sense organs disorders	potentiometric titration and applications	Suspension	Oral Rehydration Salt	Language s, Gender, Interpersonal Barriers to communication	Application of Matrices
25148045	Anemia	Polarography	Powder	Dental products	Psychological, Emotional barriers to communication	Partial fraction
25148046	Anatomy of heart	Dropping mercury electrode	Solubility enhancement technique	Dentifrices	Perspectives in Communication	Application of Partial Fraction
25148047	Physiology of heart	Rotating platinum electrode	Pharmaceutical calculations	Fluoride in dental caries	Factors affecting our perspective in communication	Plant respiration
25148048	Structure and function of artery	Estimation of barium sulphate	Monophasic liquids	Gastrointestinal agents	Elements of Communication	Application of Logarithms
25148049	Structure and function of vein	Estimation of Magnesium sulphate	Pharmacopoeias	Acidifiers	Communication Style	Function
25148050	Electrocardiogram	Estimation of calcium gluconate	Introduction to IP	Antacid	Verbal communication elements	Limits and continuity
25148051	Regulation of blood pressure	Mohr's method of Precipitation titration	Introduction to BP	Cathartics	Non-Verbal communication elements	Matrices
25148052	Structure and function of cell membrane	Volhard's method of Precipitation titration	Introduction to USP	Antimicrobials	Basic Listening Skill	Plant growth
25148053	Structure and function of mitochondria	Fajans method of Precipitation titration	Semisolid dosage form	Expectorants	Effective Written Communication	Cayley-Hamilton theorem

25148054	Structure and function of nucleus	Estimation of Sodium benzoate	History of profession of Pharmacy in India	Emetics	Writing Effectively for communication	Calculus
25148055	Disorders of heart	Estimation of Ephedrine HCl	emulsifying agent	Haematinics	Interview Skill	Differentiation
25148056	Elements of conduction system of heart	Limit test for Arsenic	Flocculated and Deflocculated suspension	Poison and Antidote	Presentation skill	Application of Calculus
25148057	Blood transfusion	Estimation of NaCl by precipitation titration	Gargles and Mouthwashes	Astringents	Communication skills in group discussion	Analytical Geometry
25148058	Blood disorders	Indicators	Excipients used in formulation of liquid dosage form	Radiopharmaceuticals	Introduction to Communication Skill	Straight Line
25148059	ABO Blood grouping system	Indian Pharmacopoeia	Powders	Measurement of radioactivity	The Importance of Communication	Cell
25148060	Rh blood grouping system	Titration methods	Introduction to semisolid dosage forms	Pharmaceutical application of radioactive substances	The Communication Process	Tissues

GUIDELINES:

- Assignment will include Title page (Shall be given by office).
- The assignment must be written in 3 to 4 pages minimum excluding title page.
- The assignment must be self-one side handwritten pages in A4 paper with proper margin, heading, subheading, etc., with sufficient collected information related to your assigned topic as per topic given in each subject.
- Assignment shall be submitted separately as per the subject wise to subject teacher on or before 28-1-2025.
- After completion of writing at the last page, the students has to put his or her full signature with date.
- The title page must be color printing.
- Assignment page must be stapled and must be placed inside stick file with transparent cover.

For
Dharmendra Senapati

Principal

KIIT School of Pharmacy

KIIT Deemed to be University



Principal
KIIT School of Pharmacy
KIIT Deemed to be University
Bhubaneswar-24