

DATTA MEGHE INSTITUTE OF MEDICAL SCIENCES (DEEMED TO BE UNIVERSITY)
DATTA MEGHE COLLEGE OF PHARMACY
 Salod(H), Sawangi, Wardha-442002

DIPLOMA IN PHARMACY
CO-PO MAPPING

Class	Course	Course Code	Course Outcome No.	Course Outcome	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	
D.Pharm First Year	Pharmaceutics I (Theory)	DP101T	DP101T-C01	Demonstrate understanding of different dosage forms, their classification with examples-their relative applications, and new drug delivery system.	3	0	2	2	0	0	0	1	3	
			DP101T-C02	Explain system of weights and measures, demonstrate understanding of the calculations of conversion from one to another system, calculations of percentage and adjustment of products, use of alligation method in calculations. Explain Isotonic solutions.	3	0	1	2	2	0	0	0	0	0
			DP101T-C03	Explain the various packaging materials of pharmaceuticals like glass, plastics and rubber, aerosol packaging. Explain the size reduction, objectives, and factors affecting size reduction, methods of size reduction and various mills used in size reduction.	3	3	2	2	0	0	0	3	3	
			DP101T-C04	Explain size separation by sifting, and grades of powders for pharmaceutical purposes. Describe sedimentation methods of size separation, and explanation of construction and working of Cyclone separator. Explain the mixing of liquid, powder and semisolids by using the different Mixer, mills and homogenizer.	3	3	2	2	0	0	0	0	3	
			DP101T-C05	Demonstrate understanding of the theory of filtration, Filter media; Filter aids and selection of filters. Explain of different filtration equipments.	3	3	2	2	0	0	0	0	0	
			DP101T-C06	Describe various extraction and heat processes with modifications and factors affecting, if any, and their applications including ayurvedic preparations.	3	1	2	2	0	0	0	0	2	
			DP101T-C07	Demonstrate understanding of the different methods of distillation. prepare purified water I.P. and water for Injection I.P. Explain the concept of sterilization and its differences from disinfection, and different sterilization process. Describe the aseptic techniques and application of sterilization process in hospitals.	3	2	2	2	0	0	0	0	2	
			DP101T-C08	Describe the drying process and various dryer used for drying. Explain processing of different types of tablet, their evaluations, and defects in tablet.	3	3	2	2	0	0	0	0	2	
			DP101T-C09	Demonstrate understanding of the processing of capsules and special applications of capsules.	3	2	2	2	0	0	0	0	2	
			DP101T-C010	Explain different immunological products.	3	1	2	2	0	2	0	0	3	
D.Pharm First Year	Pharmaceutical Chemistry-I (Theory)	DP102T	DP102T-C01	Describe physical and chemical properties, medicinal and pharmaceutical uses, storage conditions and chemical incompatibility of Acids, bases and buffers.	3	0	2	2	1	3	0	0	1	
			DP102T-C02	Explain Antioxidants, and Gastrointestinal agents with their important physical and chemical properties, medicinal and pharmaceutical uses, storage conditions and chemical incompatibilities of :- Acidifying agents, Protective and Adsorbents, Saline cathartics	3	0	2	2	1	3	0	0	2	
			DP102T-C03	Explain Topical Agents such as Protective agents including their important physical and chemical properties, medicinal and pharmaceutical uses, storage conditions and chemical incompatibility	3	0	2	2	1	3	0	0	2	
			DP102T-C04	Explain Antimicrobials and Astringents including their important physical and chemical properties, medicinal and pharmaceutical uses, storage conditions and chemical incompatibility.	3	0	2	2	1	3	0	0	2	
			DP102T-C05	Explain Dental Products, their physical and chemical properties, medicinal and pharmaceutical uses, storage conditions and chemical incompatibilities of Dental Products. Define respiratory stimulants and describe their physical and chemical properties, medicinal and pharmaceutical uses, storage conditions.	3	0	2	2	1	3	0	0	2	
			DP102T-C06	Describe Expectorants and Emetics including their important physical and chemical properties, medicinal and pharmaceutical uses, storage conditions and chemical incompatibility	3	0	2	2	1	3	0	0	2	
			DP102T-C07	Classify Antidotes and demonstrate understanding of their monographs. Explain preparation, usage, and storage conditions of official inorganic compounds.	3	0	2	2	1	3	0	0	2	
			DP102T-C08	Describe Major Intra and Extra cellular electrolytes used for replacement therapy, combination of oral electrolyte powders and solutions.	3	0	2	2	0	3	0	0	1	
			DP102T-C09	Define radioactivity, types of radiations, and demonstrate understanding of measurement of radio activity, biological effects of radiations, Radio isotopes-their uses, Storage and precautions with special reference to the official preparations.	3	2	2	2	0	2	0	0	3	
			DP102T-C010	Explain Importance of quality control of pharmaceuticals. Describe significant errors, methods used for quality control, sources of impurities in pharmaceuticals, source and effect of impurities in pharmacopoeia substances. Demonstrate understanding of importance of limit test, principle and procedures of Limit tests. Perform identification tests for cations and anions as per IP.	3	1	2	2	3	2	0	2	3	
D.Pharm First Year	Pharmacognosy-I (Theory)	DP103T	DP103T-C01	Explain plant profile of various crude drugs, indigenous system of medicines, and classification of crude drugs from natural origin.	3	0	1	2	0	0	0	0	2	
			DP103T-C02	Describe Adulteration of crude drug and its Evaluation.	3	0	2	2	1	1	0	0	2	
			DP103T-C03	Demonstrate understanding of Occurrence, Distribution, Isolation, Identification tests, Therapeutic effects and pharmaceutical application of crude drug.	3	0	2	2	0	1	0	0	3	
			DP103T-C04	Describe the phytochemical Screening technique and identify the phytoconstituent present in various plants/crude drug.	3	1	2	2	0	0	0	0	3	
			DP103T-C05	Describe the fundamental principles of pharmaceutical aids.	3	0	2	2	0	0	0	0	2	
D.Pharm First Year	Biochemistry and Clinical Pathology (Theory)	DP104T	DP104T-C01	Explain the molecular level of chemical processes involved in metabolism Explain metabolism of carbohydrate, lipids, proteins, and their role in human body.	3		2	2	0	0	0	0	2	
			DP104T-C02	Explain qualitative and quantitative estimation of biological macromolecules.	3	2	2	2	0	0	0	0	3	
			DP104T-C03	Describe various enzymatic reactions of living cells and factors affecting it.	3	0	2	2	0	1	0	0	1	

			DP104T-C04	Explain metabolic processes of biomolecules in health and diseases.	3	0	2	2	0	0	0	0	2
			DP104T-C05	Demonstrate understanding of the abnormal biochemical values and their significance in diseases.	3	1		2	0	2	3	0	2
			DP104T-C06	Explain biochemical principles and application of clinical laboratory methods to diagnosis, treatment, and prevention in illness.	3	2	3	2	0	2	3	0	3
D.Pharm First Year	Human Anatomy and Physiology (Theory)	DP105T	DP105T-C01	Explain the various term used in anatomy and basic structure, and functions of cell and tissues.	3	0	2	2	0	0	0	0	0
			DP105T-CO-2	Explain part of skeleton sytem with diffrent bones. Explain types of varios joint their locations and disorder of joints.	3	0	2	2	0	0	0	0	0
			DP105T-CO-3	Explain skeletal muscles, physiology of muscle contraction, types of skeletal muscle and physilogy of neuromuscular junction.	3	0	2	2	0	0	0	0	0
			DP105T-CO-4	Explain Composition and functions of blood component.	3	0	2	2	0	0	0	0	0
			DP105T-CO-5	Clarify the anatomy, physiology & disorders of cardiovascular system, lymphatic system, Respiratory system, Urinary system, Digestive system and Reproductive system.	3	0	2	2	0	0	0	0	0
			DP105T-CO-6	Explain parts of central nervous system and their functions.	3	0	2	2	0	0	0	0	0
			DP105T-CO-7	Elementry knowledge of sense organs.	3	0	2	2	0	0	0	0	0
			DP105T-CO-8	Clarify anatomy and physilogy of various endocrine glands and their hormones with functions.	3	0	2	2	0	0	0	0	0
			D.Pharm First Year	Health Education and Community Pharmacy (Theory)	DP106T	DP106T- C01	Explain the significance of health education and pharmceutical care practices in current era.	3	0	2	2	0	0
DP106T- C02	Demonstrate understanding of the importance of nutrition in human health and diseases and incorporation of community pharmacy services.	3				0	2	2	2	3	3	0	0
DP106T- C03	Demonstrate understanding of the business and professional practice management skills in community pharmacy.	3				0	3	2	3	2	3	0	2
DP106T- C04	Explain how to respond minor ailments and dispense appropriate medications. Describe the concept of rational drug therapy.	3				0	3	2	3	2	3	0	2
DP106T- C05	Provide patient counselling and health screening services for improved patient care in community pharmacy setup. Explain the significance of basic first aid and emergency care services.	3				0	3	2	3	3	3	0	0
DP106T- C06	Demonstrate understanding of the environment and health and various preventatble measures in illness.	3				0	3	2	3	2	3	3	1
DP106T- C07	Describe various communicable and non-communicable disease and their pharmaceutical care practices.	3				0	2	2	0	2	3	0	2
DP106T- C08	Explain the immunization practices and principles of disease control and prevention.	3				0	2	2	0	2	3	0	2
D.Pharm First Year	Pharmaceutics I (Practical)	DP101P				DP101P-C01	Prepare and evaluate Chloroform Water I.P., Camphor Water I.P., Concentrated Peppermint Water B.P.C.	3	0	2	2	3	1
			DP101P-C02	Iodine Solution I.P., Weak Iodine Solution I.P., Compound Sodium Chloride Solution I.P., Surgical Chlorinated Soda Solution B.P.	3	0	2	2	3	1	1	2	1
			DP101P-C03	Prepare and evaluate spirits, tinctures and extracts.	3	2	2	2	3	1	1	2	1
			DP101P-C04	Prepare and evaluate creams and cosmetic preparations.	3	2	2	2	3	1	1	2	3
			DP101P-C05	Prepare and evaluate tablet and capsules	3	3	2	2	3	1	1	2	3
			DP101P-C06	Demonstrate understanding of preparations involving aseptic techniques. Prepare and evaluate Sterile Water For Injection I.P., Sodium Chloride Injection I.P., Dextrose Injection I.P.	3	3	2	2	3	1	1	2	3
			DP101P-C07	Prepare and evaluate ophthalmic preparation.	3	2	2	2	3	1	1	2	1
D.Pharm First Year	Pharmaceutical Chemistry-I (Practical)	DP102P	DP102P-C01	Identify inorganic drugs and pharmaceuticals by performing official identification tests.	3	0	2	2	3	1	1	2	0
			DP102P-C02	Define Limit test. Explain the principle involved and reactions for limit test of chloride, sulfate, arsenic, iron and heavy metals.	3	0	2	2	3	1	1	2	0
			DP102P-C03	Explain the principle and reactions involved in acid-base, redox, precipitation and complexometric titrations. Prepare and standardize primary/secondary standards used in these titrations.	3	1	2	2	3	1	1	2	0
			DP102P-C04	Perform assay of inorganic pharmaceuticals involving acid-base, redox, precipitation and complexometric titration.	3	1	2	2	3	1	1	2	0
D.Pharm First Year	Pharmacognosy (Practical)	DP103P	DP103P-C01	Identify drugs by their morphological characters, and by using physical and chemical tests.	3	0	1	2	0	2	0	0	1
			DP103P-C02	Perform Gross Anatomical study of crude drugs (Senna, Datura, cinnamon, cinchona, coriander, fennel , clove, Ginger, Nux-vomica, Ipecacuanha). Explain medicinal use of these drugs.	3	1	2	2	0	2	1	0	2
			DP103P-C03	Identify fibres and surgical dressings.	3	0	2	2	0	1	0	0	0
D.Pharm First Year	Biochemistry and Clinical Pathology (Practical)	DP104P	DP104P-C01	Relate the theoretical aspects to practical application and acquire laboratory skills.	3	0	2	2	2	0	0	0	3
			DP104P-C02	Explain the biochemical processes, metabolism of biomolecules, and various enzymes in the field of clinical diagnosis.	3	1	2	2	0	3	3	0	3
			DP104P-C03	Demonstrate practical knowledge on the identification and detection methods of biomolecules.	3	2	2	3	2	0	1	0	2
			DP104P-C04	Demonstrate understanding and handling of microscope and sampling procedures.	3	2	2	3	0	0	0	0	2
			DP104P-C05	Explain various routes of drug administration and blood samples withdrawl technique.	3	0	0	2	2	0	0	0	2
D.Pharm First Year	Human Anatomy and Physiology (Practical)	DP105P	DP105P-C01	Name different bones with types of skeleton	3	0	1	3	0	1	0	0	0
			DP105P-C02	Explain anatomy and physiology of digestive, respiratory, cardiovascular, urinary and reproductive system, and ear and eyes.	3	0	1	3	0	2	0	0	0
			DP105P-C03	Explain the structure and functions of different types of tissues and muscles.	3	1	1	2	0	2	0	0	0
			DP105P-C04	Perform determination of TLC, DLC and Malarial parasite.	3	1	1	3	1	2	2	0	0
			DP105P-C05	Determine RBC, Blood Clotting Time, Erythrocyte Sedimentation Rate and Hemoglobin. Explain its significance.	3	1	1	3	1	2	2	0	0
			DP105P-C06	Record body temperature, pulse, heart-rate, blood pressure and ECG. Explain significance of the same.	3	2	1	3	1	2	2	0	3
Second Year D.Pharm	Pharmaceutics II (Theory)	DP201T	DP201T-C01	Demonstrate understanding of prescriptions, Latin terms commonly used modern methods of prescribing. Calculate dose of drug adopting of metric system calculations involved in dispensing.	3	0	2	3	0	3	3	0	2
			DP201T-C02	Explain various types of incompatibilities like physical, chemical and therapeutic.	3	0	2	3	0	2	3	0	3
			DP201T-C03	Describe dose and dosage of drugs, factors influencing dose, calculations of doses on the basis of age, sex, surface area.	3	0	2	3	0	3	3	0	2
			DP201T-C04	Explain methods of preparation with theoretical and practical aspects, use of appropriate containers and closures, special labeling requirements and storage conditions.	3	0	2	3	0	2	1	0	3
			DP201T-C05	Describe types of powders, granules, cachets and tablet triturates and their preparation, advantages and disadvantages. Demonstrate understanding of weighing methods, errors in weighing, and proper usage and care of dispensing balance.	3	0	1	2	0	2	1	0	1
			DP201T-C06	Describe theoretical aspects including commonly used vehicles, essential adjuvant like stabilizers, colorants and flavors. Classify and explain methods of preparation for monophasic liquid dosage forms.	3	0	1	2	0	2	0	0	1
			DP201T-C07	Describe suspensions, its types and their preparation and stability. Demonstrate understanding of the adjuvant used in suspensions.	3	0	1	2	0	2	0	0	1
			DP201T-C08	Define and classify emulsion, and formulate stable emulsions selecting appropriate excipients	3	0	1	2	0	1	0	0	2
			DP201T-C09	Demonstrate understanding of semi-solid dosage form and its types. Formulate stable semi-solid dosage forms viz. ointments, creams, gels, pastes, and suppositories using appropriate excipients and processes.	3	1	1	2	0	1	1	0	2

			DP201T-CO10	Demonstrate understanding of cosmetic preparations viz. dentifrices, facial cosmetics, deodorants, antiperspirants, shampoo, hair dressings and hair removers.	3	0	1	2	0	1	1	0	2
			DP201T-CO11	Explain preparation and requirements viz. vehicles, adjuvants, processing, personnel, facilities, and quality control for various parenteral dosage forms.	3	1	1	2	0	1	0	0	2
			DP201T-CO12	Describe essential characteristics of different ophthalmic preparations, formulation: additives, special precautions in handling and storage of ophthalmic products.	3	0	1	2	0	1	2	0	2
Second Year D.Pharm	Pharmaceutics II (Practical)	DP201P	DP201P-CO1	Demonstrate understanding of Weights and measures involved in dispensing.	3	0	1	2	0	1	0	0	1
			DP201P-CO2	Demonstrate understanding of prescription and Latin terms used in prescription	3	0	1	2	0	3	3	0	2
			DP201P-CO3	Explain classification of dosage forms and coding of experiments based on dosage forms.	3	0	1	2	0	2	3	0	1
			DP201P-CO4	Perform Dosage calculations.	3	0	1	3	0	3	3	0	1
			DP201P-CO5	Prepare different solid, liquid and semi-solid dosage forms.	3	3	1	2	1	1	0	3	3
			DP201P-CO6	Identify incompatibility- physical, chemical and therapeutic .	3	0	1	2	0	3	3	0	3
Second Year D.Pharm	Pharmaceutical Chemistry-II (Theory)	DP202T	DP202T-CO1	Demonstrate understanding of nomenclature of heterocyclic compounds containing up to 3 rings.	3	0	0	1	0	0	0	0	0
			DP202T-CO2	Describe nomenclature, chemical structure, uses and the important physical and chemical properties of Drugs Acting on Autonomous Nervous System, Central Nervous System, Cardiovascular System and Diuretic drugs. Demonstrate Understanding of The stability and storage conditions and the different type of pharmaceutical formulations of these drugs and their popular brand names.	3	0	2	3	0	2	2	1	1
			DP202T-CO3	Describe nomenclature, chemical structure, uses and the important physical and chemical properties of Antiseptics, Disinfectants and Diagnostic Agents. Demonstrate Understanding of The stability and storage conditions and the different type of pharmaceutical formulations of these drugs and their popular brand names.	3	0	2	3	0	2	2	1	1
			DP202T-CO4	Describe nomenclature, chemical structure, uses and the important physical and chemical properties of sulfonamides, Anti Parasitic and Antibacterial Drugs. Demonstrate Understanding of The stability and storage conditions and the different type of pharmaceutical formulations of these drugs and their popular brand names.	3	0	2	3	0	2	2	1	1
			DP202T-CO5	Describe nomenclature, chemical structure, uses and the important physical and chemical properties of Antibiotics, and Antifungal Drugs. Demonstrate Understanding of The stability and storage conditions and the different type of pharmaceutical formulations of these drugs and their popular brand names.	3	0	2	3	0	2	2	1	1
			DP202T-CO6	Describe nomenclature, chemical structure, uses and the important physical and chemical properties of Analgesics, Antipyretics and Non-steroidal Anti-inflammatory Drugs. Demonstrate Understanding of The stability and storage conditions and the different type of pharmaceutical formulations of these drugs and their popular brand names.	3	0	2	3	0	2	2	1	1
			DP202T-CO7	Describe nomenclature, chemical structure, uses and the important physical and chemical properties of Hypoglycemic Agents, Coagulants and Anti-Coagulants. Demonstrate Understanding of The stability and storage conditions and the different type of pharmaceutical formulations of these drugs and their popular brand names.	3	0	2	3	0	2	2	1	1
			DP202T-CO8	Describe nomenclature, chemical structure, uses and the important physical and chemical properties of Histaminic, Anti-histaminic, and Anti-Neoplastic Agents. Demonstrate Understanding of The stability and storage conditions and the different type of pharmaceutical formulations of these drugs and their popular brand names.	3	0	2	3	0	2	2	1	1
			DP202T-CO9	Describe nomenclature, chemical structure, uses and the important physical and chemical properties of Hormonal and Steroidal Drugs. Demonstrate Understanding of The stability and storage conditions and the different type of pharmaceutical formulations of these drugs and their popular brand names.	3	0	2	3	0	2	2	1	1
Second Year D.Pharm	Pharmaceutical Chemistry-II (Practical)	DP202P	DP202P-CO1	Perform Systematic qualitative testing of organic drugs involving solubility determination, melting point and/or boiling point, detection of elements and functional groups	3	0	1	2	1	0	0	3	1
			DP202P-CO2	Perform official identification tests for certain groups of drugs included in the I.P. like barbiturates, sulfonamides, Phenothiazines, Antibiotics etc.	3	0	1	2	1	0	0	3	1
Second Year D.Pharm	Pharmacology & Toxicology (Theory)	DP203T	DP203T-CO1	Explain the scope of pharmacology in pharmacy and various terms used.	3	0	1	2	0	1	1	0	2
			DP203T-CO2	Explain the route of drug administration and processes of drug absorption.	3	0	2	3	0	3	3	0	1
			DP203T-CO3	Describe general mechanism of drug action and pharmacokinetics of drugs.	3	0	2	3	1	3	3	0	3
			DP203T-CO4	Describe the pharmacology of drugs acting on nervous system, cardiovascular system, Respiratory system, Digestive system and Renal functions.	3	0	2	3	1	3	3	0	3
			DP203T-CO5	Explain the physiological role of various autocooids	3	0	2	3	1	3	3	0	2
			DP203T-CO6	Explain the pharmacology and rational use of drugs used for the treatment various endocrine disorders.	3	0	2	3	1	3	3	0	3
			DP203T-CO7	Describe the role of various chemotherapeutic agent in microbial diseases.	3	0	2	3	0	3	3	0	3
			DP203T-CO8	Explain the role of disinfectant and antiseptic.	3	0	2	3	1	3	3	0	2
Second Year D.Pharm	Pharmacology & Toxicology (Theory)	DP203P	DP203P-CO1	Explain the effect of potassium and calcium ions, acetylcholine, adrenaline and digitalis on frog's heart. Explain the effect of strychnine on frog.	3	0	2	2	1	2	0	0	0
			DP203P-CO2	Explain the effect of acetyl choline on rectus abdomens muscle of frog and guinea pig ileum.	3	0	2	2	1	1	0	0	0
			DP203P-CO3	Describe the effect of spasmogens and relaxants on rabbits intestine.	3	0	2	2	1	1	0	0	0
			DP203P-CO4	Explain the effect of local anaesthetics on rabbit cornea.	3	0	2	2	1	1	0	0	0
			DP203P-CO5	Describe the effect of mydriatics and miotics on rabbit's eye.	3	0	2	2	1	1	0	0	0
			DP203P-CO6	Describe the effect of of hypnotics in mice, convulsants and anti-convulsants in mice or rats.	3	0	2	2	1	1	0	0	0
			DP203P-CO7	Perform test for pyrogens and explain its significance.	3	0	2	2	1	0	0	0	0
			DP203P-CO8	Explain taming and hypnosis potentiating effect of chlorpromazine in mice/rats.	3	0	2	3	1	1	0	0	0
Second Year D.Pharm	Pharmaceutical Jurisprudence (Theory)	DP204T	DP204T-CO1	Describes Scope and Objectives of Jurisprudence and evaluation of Concept of pharmacy	3	0	3	3	3	1	1	0	3
			DP204T-CO2	Demonstrate understanding of code of pharmaceutical ethics	3	0	3	3	3	2	3	0	1
			DP204T-CO3	Describe the pharmacy act specially with relation to Education Regulations ,Working of state and central councils, constitution of these councils and functions and registration procedures under the pharmacy Act	3	0	3	3	2	2	0	0	3
			DP204T-CO4	Demonstrate understanding of Drugs and cosmetics Act and the Rules there under	3	0	3	3	3	2	1	0	2
			DP204T-CO5	Describes the powers of Inspectors, the sampling procedures and the procedure and formalities in obtaining licenses under the rule	3	0	3	3	3	2	0	0	1

			DP204T-C06	Discuss salient features related to retail and whole sale distribution of drugs and their schedules.	3	0	3	3	3	1	0	0	1	
			DP204T-C07	Demonstrate understanding of The Drugs and Magic Remedies Act, 1954	3	0	3	3	3	2	1	2	2	
Second Year D.Pharm	Drug Store and Business Management (Theory)	DP205T	DP205T-C01	Compare Trade, Industry and commerce and explain functions and subdivision of commerce. Explain Elements for Economics and Management.	3	0	3	3	2	2	0	0	2	
			DP205T-C02	Illustrate Forms of Business Organizations and Channels of Distribution	3	0	3	3	0	1	0	0	0	3
			DP205T-C03	Describe selection of site, space Lay-out and legal requirements in drug house management.	3	0	3	3	0	0	0	1	2	
			DP205T-C04	Explain Importance and objectives of purchasing, selection of suppliers, credit information, tenders, contracts and price determination and legal requirements therein.	3	0	3	3	2	1	0	0	0	3
			DP205T-C05	Demonstrate the understanding of Codification, handling of drug stores and other hospital supplies.	3	3	3	3	1	1	2	2	2	
			DP205T-C06	Explain objectives, importance, and modern techniques of analysis of Inventory control. Demonstrate understanding of lead time, inventory carrying cost, safety stock, minimum and maximum stock levels. Determine economic order quantity and explain scrap and surplus disposal.	3	3	3	3	2	1	0	0	0	3
			DP205T-C07	Explain Sales promotion, Market Research, Salesmanship, qualities of a salesman, Advertising and Window Display.	3	0	3	3	3	2	0	0	0	3
			DP205T-C08	Describe Recruitment, training, evaluation and compensation of the pharmacist.	3	0	3	3	1	0	0	0	0	1
			DP205T-C09	Describe Service and functions of bank and interpret Finance planning and sources of finance.	3	0	3	1	1	0	0	0	0	1
			DP205T-C010	Demonstrate understanding of accounting concepts and conventions.	3	0	3	1	1	0	0	0	0	1
			DP205T-C011	Illustrate Double entry Book Keeping and Different kinds of accounts, Cash Book, General Ledger, Trial Balance, Profit and Loss account and Balance sheet.	3	0	3	1	1	0	0	0	0	1
			DP205T-C012	Explain techniques of analyzing financial statements.	3	0	3	1	1	0	0	0	0	0
			DP205T-C013	Explain Budgeting.	3	0	3	1	1	0	0	0	0	0
Second Year D.Pharm	Hospital and Clinical Pharmacy (Theory)	DP206T	DP206T-C01	Demonstrate understanding of classification, functions, management, & organization of hospital.	3	0	3	3	3	2	2	1	2	
			DP206T-C02	Describe drug distribution system, drug dispensing, and manufacturing of sterile and non sterile preparations	3	2	3	3	1	2	2	0	3	
			DP206T-C03	Educate consumers by providing proper drug information. Perform patient counseling and carry out therapeutic drug monitoring. Demonstrate understanding of function of pharmacy and therapeutic committee	3	0	3	3	3	3	3	0	3	
			DP206T-C04	Demonstrate understanding of registration of patients in OPD and IPD, and Maintenance of patients case reports on computer	3	3	3	3	1	2	3	0	3	
			DP206T-C05	Demonstrate understanding of patient compliance and non compliance	3	0	3	3	0	1	3	0	2	
			DP206T-C06	Explain with examples drug abuse, drug dependence, drug addiction, and drug toxicity	3	0	2	3	1	0	3	0	3	
			DP206T-C07	Define and explain Bioavailability, drug interactions, adverse drug reaction, pathophysiology and symptoms of diseases. Explain common terminology used in medicine	3	0	2	3	1	2	3	0	3	
Hospital and Clinical Pharmacy (Theory)	DP206P	DP206P-C01	Prepare water for injection, intravenous infusion and injections.	3	0	1	2	1	0	0	0	0		
		DP206P-C02	Perform sterilization of surgical instruments, hospital fabrics, surgical dressings.	3	2	1	2	1	0	0	0	0		
		DP206P-C03	Evaluate absorbent cotton wool and absorbent cotton ribbon guaze.	3	0	1	2	1	0	0	0	0		
		DP206P-C04	Apply knowledge of computers in registration of patients in OPD/IPD, keeping case history & preoperative check list.	3	3	3	3	1	1	3	0	3		
		DP206P-C05	Prepare a project report, give first aid treatment, and improve patient compliance.	3	0	3	3	3	1	3	0	0		