



YENEPOYA

(DEEMED TO BE UNIVERSITY)

Recognized under Sec 3(A) of the UGC Act 1956

Accredited by NAAC with 'A' Grade

YENEPOYA PHARMACY COLLEGE

PROGRAM AND COURSE OUTCOMES

UNDERGRADUATE PROGRAM

DIPLOMA IN PHARMACY

ATTESTED

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PROGRAM OUTCOMES
UNDERGRADUATE PROGRAM
DIPLOMA IN PHARMACY

(K=Knowledge, S=Skill, A=Attitude)

- PO 1 Demonstrate the knowledge of structure and relation of physiology of human body with respect to pathophysiology of various disease/disorder/ailments/injury.(K)
- PO 2 Demonstrate an ability to understand mechanism of drug action, its dynamics and kinetics, visualize and work on laboratory techniques and improvements (K, S)
- PO 3 Utmost knowledge to conduct, analyze, interpret the facts of pharmaceutical production, quality control and quality assurance of finished products and raw material employed in pharmaceuticals formulations. (K, S)
- PO 4 Experiential skill to identify and distinguish medicinally important plants and acknowledgement of phytoconstituents. (K, S)
- PO 5 Experiential ability to provide first aid treatment in case of emergency (K, S)
- PO 6 Acquaint with administrative, managerial, leadership, teamwork and problem solving qualities. (K,S,A)
- PO 7 Proficiency to identify, formulate the community and Hospital Pharmacy problems.(K,S,A)
- PO 8 Perfect in arrangement of pharmacy and inventory control and storage condition of dosage forms.(K,A)
- PO 9 Perfect in outlining reliable formats and maintenance of documents and records. (K,S,A)
- PO 10 Professionally sound in verbal and written communications. (S, A)
- PO 11 Knowledge towards pharmaceutical profession and ethical abide by pharmaceutical legislations of India. (K,S,A)
- PO 12 Autodidact and persistent learning ability. (A)
- PO 13 Ability to patient counseling.(S,A)

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COURSE OUTCOME
UNDERGRADUATE PROGRAM
DIPLOMA IN PHARMACY

CO	Description Ist YEAR
PHARMACEUTICS I	
CO 1	Know the history of profession of pharmacy and Pharmacopoeias
CO 2	Understand the basic of different dosage forms, pharmaceutical incompatibilities and pharmaceutical calculation
CO 3	To understand material handling techniques.
CO 4	To perform various processes involved in pharmaceutical manufacturing process
CO 5	To know the concept of sterilization
CO 6	Preparation of various conventional dosage forms
PHARMACEUTICAL CHEMISTRY I	
CO 1	Knowledge on the physical and chemical properties of the medicinally important inorganic agents.
CO 2	Emphasis on the mechanism of the action of different inorganic compound.
CO 3	Knowledge on the method of preparation of different drugs.
CO 4	Classification of drug categories with examples under different agents.
CO 5	Importance of quality of drugs and pharmaceuticals with the various tests to identify the impurities in pharmaceuticals.
CO 6	Knowledge on the uses, storage and precautions regarding the handling of radiopharmaceuticals.
PHARMACOGNOSY	
CO 1	Students will be familiar with the knowledge on different crude drugs source, their uses and chemical nature
CO 2	Students will be to provide an overview of alternative system of medicines and the role of Pharmacognosy in the development of traditional and allopathic system of medicine
CO 3	Students will be familiar with the Knowledge on crude drugs classification, adulteration and it's evaluation methods
CO 4	Students will be able to understanding the significance of Cultivation, Collection, Processing and storage of drugs of natural origin
CO 5	Students will be familiar to carry out the microscopic and morphological evaluation of crude drugs

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BIOCHEMISTRY AND CLINICAL BIOLOGY

- CO 1 Understand the chemistry and role of various biomolecules.
- CO 2 Understand the disease related metabolism of biomolecules.
- CO 3 The catalytic activity, diagnostic and therapeutic importance of enzymes.
- CO 4 Understand the normal and abnormal constituents of urine and their significance in diseases.
- CO 5 Understand the role, biochemical functions and deficiency disorders of various vitamins and minerals.

HUMAN ANATOMY AND PHYSIOLOGY

- CO 1 Student should able to know about the gross morphology, structure and functions of cell, tissue, skin, bones, joints, brain, heart
- CO 2 Familiar with the various homeostatic mechanisms and their imbalances.
- CO 3 Student should have Knowledge on structure and function of different system of the body.
- CO4 Students would able to identify the different types of tissues and organs of Integumentary system, skeletal system, lymphatic system, Haemopoetic system, Nervous system and cardiovascular system, endocrine system reproductive system and digestive system

HEALTH EDUCATION AND COMMUNITY PHARMACY

- CO 1 Explain the different type of health and determinants of health.
- CO 2 Describe the different type of planning methods
- CO 3 To study about first aid and emergency treatment for different conditions
- CO 4 To study about the importance of environment and different ways of protecting it
- CO 5 To understand about communicable diseases and its mode of action and its prevention
- CO 6 To understand about non-communicable diseases and its prevention.
- CO 7 To know immunization, disease control and prevention, disinfection.

2nd YEAR

PHARMACEUTICS II

- CO 1 Student will have the ability to understand the basic and fundamental concepts of different dosage forms, its incompatibilities and calculations.
- CO 2 Students will capable in professional way of handling the prescription
- CO 3 Students will have the preparation of various conventional dosage forms, dental & cosmetics etc.
- CO 4 The students will be aware of dispensing medication as per prescribed in prescription

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PHARMACEUTICAL CHEMISTRY II

- CO 1 Ability to draw the structure and assigning the names to heterocyclic compounds.
- CO 2 Understand the Chemistry, nomenclature and uses of organic agents used as pharmaceutical aids and as therapeutic and diagnostic agents.
- CO 3 Learn the physical and chemical properties of important therapeutical agents.
- CO 4 Understand the stability and storage conditions and the different type of pharmaceutical formulations of these drugs and their popular brand names.

PHARMACOLOGY AND TOXICOLOGY

- CO 1 Knowledge on the mechanism of drug action and its relevance in the treatment of different diseases.
- CO 2 Understand the pharmacology of drugs acting on different body systems.
- CO 3 Knowledge on various receptors action on the tissue preparation.
- CO 4 They understood the significance of chemotherapeutic agents.

PHARMACEUTICAL JURISPRUDENCE

- CO 1 The Pharmaceutical legislations and their implications in the development and marketing of pharmaceuticals.
- CO 2 Various Indian pharmaceutical Acts and Laws
- CO 3 The regulatory authorities and agencies governing the manufacture and sale of pharmaceuticals
- CO 4 The code of ethics during the pharmaceutical practice

DRUG STORE AND BUSINESS MANAGEMENT

- CO 1 Familiar with the rules of trade, industry and commerce, economy, finance, banking system and management activities for success of pharmaceutical business.
- CO 2 Able to make business policy, share holding policy for negotiation point of view.
- CO 3 Familiar with different channel of transportation and inventory control method
- CO 4 Familiar with policy related sales, promotion, advertisement, market research to meet the need of society
- CO 5 Familiar with training, evaluation of good pharmacist and compensation norms

HOSPITAL AND CLINICAL PHARMACY

- CO 1 Familiar with various Drug Distribution Methods in hospital.
- CO 2 Theoretical good knowledge in professional practice management skills In Hospital Pharmacies.
- CO 3 Provide Unbiased Drug Information to The Doctors.
- CO 4 Familiar with the manufacturing practices of various formulations in Hospital Set Up.

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- CO 5 Appreciate the Practice Based Research Methods
- CO 6 Appreciate the stores management and inventory control
- CO 7 Quality to obtain medication history interview and counsel the patients
- CO 8 Identify and resolve drug related problems
- CO 9 Detect, assess and monitor adverse drug reaction
- CO 10 Retrieve, analyze, interpret and formulate drug or medicine information

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