



## PROGRAM OUTCOMES

### Program: D.Pharmacy

- 1. Pharmacy Knowledge:** Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy.
- 2. Modern tool usage:** Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.
- 3. Leadership skills:** Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfillment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and wellbeing.
- 4. Professional Identity:** Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employees, employees).
- 5. Pharmaceutical Ethics:** Honor personal values and apply ethical principles in professional and social contexts. Demonstrate behavior that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.
- 6. Communication:** Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.
- 7. The Pharmacist and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.
- 8. Environment and sustainability:** Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 9. Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self access and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.

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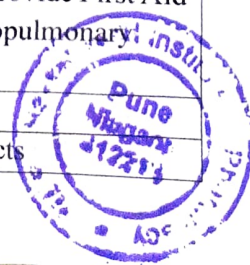


PRINCIPAL

Navsahyadri Institute of Pharmacy  
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**COURSE OUTCOME**

Program: D.Pharmacy		Year: DCP-I
All Students studying in diploma in pharmacy should able .....		
20051 Pharmaceutics [ Practical   Regular]		
CO ID.	Course Outcome	
C20051.1	To calculate the working formula from the given master formula.	
C20051.2	To formulate the dosage form and dispense in an appropriate container.	
C20051.3	To design the label with the necessary product and patient information.	
C20051.4	To perform the basic quality control tests for the common dosage forms.	
20052 Pharmaceutical Chemistry [ Practical   Regular]		
C20052.1	To perform limit tests and assays of selected chemical substances as per the monograph.	
C20052.2	To understand volumetric analysis of the chemical substances.	
C20052.3	To analyse basics of preparatory chemistry.	
C20052.4	To know systematic qualitative analysis for the identification of the chemical drugs	
20053 Pharmacognosy [ Practical   Regular]		
C20053.1	To Identify the given crude drugs based on the morphological characteristics	
C20053.2	To take a transverse section of the given crude drugs.	
C20053.3	To describe the anatomical characteristics of the given crude drug under microscopical conditions.	
C20053.4	To carry out the physical and chemical tests to evaluate the given crude drugs.	
20054 Human Anatomy & Physiology [ Practical   Regular]		
C20054.1	To describe the various organ systems of the human body. Describe the various organ systems of the human body.	
C20054.2	To discuss the anatomical features of the important human organs and tissues.	
C20054.3	To explain the homeostatic mechanisms regulating the normal physiology in the human system.	
C20054.4	To discuss the significance of various vital physiological parameters of the human body.	
20055 Social Pharmacy [ Practical   Regular]		
C20055.1	To describe the roles and responsibilities of pharmacists in various National health programs.	
C20055.2	To design promotional materials for public health awareness.	
C20055.3	To describe various health hazards including microbial sources.	
C20055.4	To understand advice on preventive measures for various diseases and Provide First Aid for various emergency conditions including basic life support and cardiopulmonary resuscitation.	
20111 Pharmaceutics [ Theory   Regular]		
C20111.1	To describe about the different dosage forms and their formulation aspects	







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C20111.2	To explain the advantages, disadvantages and quality control tests of different dosage forms
C20111.3	To discuss the importance of quality assurance and good manufacturing practices
C20111.4	To know basic quality control tests concepts of quality assurance and good manufacturing practices
<b>20112 Pharmaceutical Chemistry   Theory   Regular</b>	
C20112.1	To describe the chemical class, structure and chemical name of the commonly used drugs and pharmaceuticals of both organic and inorganic nature
C20112.2	To discuss the pharmacological uses, dosage regimen, stability issues and storage conditions of all such chemical substances commonly used as drugs
C20112.3	To describe the quantitative and qualitative analysis, and impurity testing of the chemical substances given in the official monographs
C20112.4	To identify the dosage form & the brand names of the drugs and pharmaceuticals popular in the marketplace.
<b>20113 Pharmacognosy   Theory   Regular</b>	
CO20113.1	To identify the important/common crude drugs of natural origin
CO20113.2	To describe the uses of herbs in nutraceuticals and cosmeceuticals
CO20113.3	To discuss the principles of alternative system of medicines
CO20113.4	To know the importance of quality control of drugs of natural origin
<b>20114 Human anatomy &amp; Physiology   Theory   Regular</b>	
C20114.1	To describe the various organ systems of the human body
C20114.2	To discuss the anatomical features of the important human organs and tissues
C20114.3	To explain the homeostatic mechanisms regulating the normal physiology in the human system
C20114.4	To discuss the significance of various vital physiological parameters of the human body
<b>20115 Social Pharmacy   Theory   Regular</b>	
C20115.1	To discuss about roles of pharmacists in the various national health programs
C20115.2	To describe various sources of health hazards and disease preventive measures.
C20115.3	To discuss the healthcare issues associated with food and nutritional substances.
C20115.4	To describe the general roles and responsibilities of pharmacists in public health.

  
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## COURSE OUTCOME

Program: D.Pharmacy		Year: DCP-II
All Students studying in diploma in pharmacy should able.....		
20056 Pharmacology [ Practical   Regular]		
CO ID.	Course Outcome	
C20056.1	To study of effects of drugs like local aesthetics, mydriatic and mitotic on rabbit eye.	
C20056.2	To know screening the effects of various drugs acting in the central nervous system.	
C20056.3	To study of drug effects on isolated organs / tissues.	
C20056.4	To study of pyrogen testing on rabbit.	
20057 Community Pharmacy & Management [ Practical   Regular]		
C20057.1	To discuss handle and fill prescription in a professional manner	
C20057.2	To counsel patients on various diseases and minor ailments, patients on prescription and or non-prescription medicines	
C20057.3	To design and prepare patient information leaflets.	
C20057.4	To perform basic health screening tests.	
20058 Biochemistry & Clinical Pathology [ Practical   Regular]		
C20058.1	To discuss qualitatively determine the biomolecules/metabolites in the given biological samples.	
C20058.2	To determine the normal constituents in blood samples and interpret the results of such testing	
C20058.3	To understand determination abnormal constituents in blood and interpret the results of such testing	
C20058.4	To know the normal and abnormal constituent's urine samples and interprets the results of such testing.	
20059 Pharmacotherapeutics [ Practical   Regular]		
C20059.1	To write SOAP (Subjective, Objective, Assessment and Plan) notes for the given clinical cases of selected common diseases.	
C20059.2	To counsel the patients about the disease conditions, uses of drugs.	
C20059.3	To discuss the methods of handling and administration of drugs.	
C20059.4	To know the life-style modifications, and monitoring parameters.	
20221 Pharmacology [ Theory   Regular]		
C20221.1	To apply general concepts of pharmacology including pharmacodynamics, pharmacokinetics, routes of administration, etc.	
C20221.2	To understand Pharmacological classification and indications of drugs.	





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C20221.3	To know dosage regimen, mechanisms of action, contraindications of drugs.
C20221.4	To discuss common adverse effects of drugs.
<b>20222 Community Pharmacy &amp; Management [ Theory   Regular]</b>	
C20222.1	Describe the establishment, legal requirements & effective administration of a Community pharmacy.
C20222.2	Professionally handle prescriptions and dispense medications.
C20222.3	Counsel patients about the disease, prescription and or non-prescription medicines.
C20222.4	Perform basic health screening on patients and interpret the reports in the Community pharmacy settings.
<b>20223 Biochemistry &amp; Clinical Pathology [ Theory   Regular]</b>	
C20223.1	Describe the functions of biomolecules
C20223.2	Discuss the various functions of enzymes in the human system and explain the metabolic pathways of biomolecules in both physiological and pathological conditions
C20223.3	Describe the principles of organ function tests and their clinical significance.
C20223.4	Determine the biomolecules / metabolites in the given biological samples, both qualitatively and quantitatively and Describe the clinical pathology of blood and urine
<b>20224 Pharmacotherapeutics [ Theory   Regular]</b>	
C20224.1	To Help assessing the subjective and objective parameters of patients in common disease conditions
C20224.2	To assist other healthcare providers to analyse drug related problems and provide therapeutic interventions
C20224.3	To participate in planning the rational medicine therapy for common diseases
C20224.4	To design and deliver discharge counselling for patients
<b>20225 Hospital &amp; clinical Pharmacy [ Theory   Regular]</b>	
C20225.1	To explain about the basic concepts of hospital pharmacy administration.
C20225.2	To know manage the supply chain and distribution of medicines within the hospital settings.
C20225.3	To assist the other healthcare providers in monitoring drug therapy and address drug related problems
C20225.4	To interpret common lab investigation reports for optimizing drug therapy
<b>20226 Pharmacy Law &amp; Ethics [ Theory   Regular]</b>	
C20226.1	To describe the history and evolution of pharmacy law in India
C20226.2	To interpret the act and rules regulating the profession and practice of pharmacy in India
C20226.3	To discuss the various codes of ethics related to practice standards in pharmacy
C20226.4	To interpret the fundamentals of patent laws from the perspectives of pharmacy

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