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II / VI PHARM - D (REGULAR) DEGREE EXAMINATIONS,

APRIL / MAY 2025

Second Year

PATHOPHYSIOLOGY

Time : Three Hours

Maximum : 70 Marks

Answer any FIVE Questions.

5x14 = 70 M

All Questions carry equal marks

1. Discuss about TB, Leprosy, Malaria and HIV.
2. Write a note on the process of wound repairs in the skin and factors influencing wound healing.
3. Explain the classification of tumours ? Write a note on the spread of malignant tumours and pathogenesis of cancer.
4. Discuss causes, pathogenesis and morphology of cell injury.
5. Discuss briefly the Pathophysiology of Stroke, Angina and Anaphylaxis.
6. Explain abnormalities in lipoproteinemia and glycogen storage diseases.
7. Discuss the pathophysiological changes that occur during various cardiac.



II / VI PHARM - D (REGULAR) DEGREE EXAMINATIONS,

APRIL / MAY 2025

Second Year

PHARMACEUTICAL MICROBIOLOGY

Time : Three Hours

Maximum : 70 Marks

Answer any FIVE Questions.

5x14 = 70 M

All Questions carry equal marks

1. Explain Active, Passive immunity and the Southern Blotting test.
2. Explain in detail about principle and microbiological assay for penicillin, Vit-B2 and Cellular immunity.
3. Explain various applied areas of microbiology. Give a brief account of the importance of microorganisms in each of these applied fields.
4. Explain in detail about important media required for the growth of bacteria and fungi.
5. Explain different methods used in the isolation and identification of bacteria with emphasis on different staining techniques and biochemical reactions.
6. Write about different methods of sterilization and sterility testing of different pharmaceutical preparations.
7. Discuss about Typhoid, Gonorrhea and the Study of Spirochetes, Rickettsiae.



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**II / VI PHARM - D (REGULAR) DEGREE EXAMINATIONS,
APRIL / MAY 2025**

Second Year

PHARMACOGNOSY & PHYTOPHARMACEUTICALS

Time : **Three Hours**

Maximum : **70 Marks**

Answer any FIVE Questions.

5x14 = 70 M

All Questions carry equal marks

1. Discuss methods of cultivation of crude drugs.
2. Write about the study of natural pesticides.
3. Give the source, method of extraction, chemistry and method of analysis of lipids.
4. Explain the classification, chemistry and method of analysis of protein.
5. Write a note on Morphological classification.
6. Discuss the classification of crude drugs.
7. Explain in detail about the study of oils.



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II / VI PHARM - D (REGULAR) DEGREE EXAMINATIONS,

APRIL / MAY 2025

Second Year

PHARMACOLOGY - I

Time : Three Hours

Maximum : 70 Marks

Answer any FIVE Questions.

5x14 = 70 M

All Questions carry equal marks

1. Discuss Pre-Clinical evaluations, Introduction and Scope of Pharmacology.
2. Classify General Anesthetics and Anti-Inflammatory drugs and discuss the mechanism of action, Contraindications, Therapeutic uses and ADR'S of each class of drugs.
3. Write a note on drugs used to treat Congestive Heart Failure and Hyperlipidaemias.
4. Classify NSAIDs drugs and discuss the mechanism of action, Contraindications, Therapeutic uses and ADR's of each class of drugs. Add a note on therapeutic uses of local anesthetics.
5. What are Mucolytics, expectorants and antitussives give examples. Discuss the mechanism of action of various drugs used in bronchial asthma.
6. Write the mechanism of action, therapeutic uses and adverse effects of Diazepam and cardiac glycosides.
7. Discuss the Pharmacology for sedatives and Hypnotics Drugs.



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II / VI PHARM - D (REGULAR) DEGREE EXAMINATIONS,

APRIL / MAY 2025

Second Year

COMMUNITY PHARMACY

Time : Three Hours

Maximum : 70 Marks

Answer any FIVE Questions.

5x14 = 70 M

All Questions carry equal marks

1. Discuss the code of ethics for community pharmacy and health screening services.
2. Discuss in detail about the responsibilities of a community pharmacist.
3. Explain patient counselling and the principles of pharmaceutical care.
4. What are the parts of the prescription and identify the medication - related problems.
5. Explain in detail about OTC medication.
6. What is medication adherence ? What is its importance ? How it is assessed ?
7. What is the care need to be taken to children, pregnant and breastfeeding women and geriatric patients according to WHO ?



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II / VI PHARM - D (REGULAR) DEGREE EXAMINATIONS,

APRIL / MAY 2025

Second Year

PHARMACOTHERAPEUTICS - I

Time : Three Hours

Maximum : 70 Marks

Answer any FIVE Questions.

5x14 = 70 M

All Questions carry equal marks

1. What is glaucoma ? Discuss the pathogenesis and treatment of glaucoma.
2. Discuss etiopathology, symptoms and treatment of Chronic obstructive airway disease.
3. Write a note on drug-induced pulmonary diseases.
4. Discuss the pathogenesis and treatment of hypertension.
5. Brief about the role of pharmacist essential drug concept and rational drug information.
6. What are the prescription guidelines to be followed in geriatrics and during pregnancy and lactation ? Write in detail with suitable examples.
7. Discuss etiopathology, symptoms and treatment of hypothyroidism.

