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IV/VI PHARM-D (REG) DEGREE EXAMINATIONS, MAR/APR - 2026

FOURTH YEAR

PHARMA - D

PHARMACOTHERAPEUTICS - III

Time: 3 Hours

Maximum : 70 Marks

SECTION - A

Answer any FIVE of the following Questions. 5 x 14 = 70 M
All Questions carry equal marks.

01. Describe the etiology and clinical manifestations of Venous thromboembolism. Add a note on the treatment of Thromboembolism.
02. Etiology of various types of anaemia and treatment of megaloblastic anaemia.
03. Write about the Pathogenesis and clinical management of Alzheimer's disease.
04. Explain Pain pathways and Pharmacological management of acute and chronic pain.
05. Describe the pathophysiology, clinical manifestations, neurochemical basis and pharmacotherapy of parkinsonism.
06. Discuss etiopathogenesis, various types, treatment objectives, and pharmacotherapy of Hepatitis.
07. Discuss the pathophysiology, various types, the objective of the treatment and pharmacotherapy of epilepsy.

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IV/VI PHARM-D (REG) DEGREE EXAMINATIONS, MAR/APR - 2026

FOURTH YEAR

PHARMA - D

HOSPITAL PHARMACY

Time: 3 Hours

Maximum : 70 Marks

SECTION - A

Answer any FIVE of the following Questions. 5 x 14 = 70 M
All Questions carry equal marks.

01. Explain the importance of drug distribution techniques and discuss in detail about unit dose drug distribution method in a hospital?
02. Explain inventory tools and their application in drug store management.
03. Write in detail about the Hospital pharmacy structure, organization, and management.
04. Write the types of a license issued for using radioisotopes and the Role of the pharmacist in the isotope Pharmacy.
05. Explain the distribution of narcotics and other controlled substances. Add a brief note on the role of the pharmacist in central sterile supply services.
06. Add a note on the manufacturing of tablets and capsules.
07. Discuss in detail total parenteral nutrition.

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IV/VI PHARM-D (REG) DEGREE EXAMINATIONS, MAR/APR - 2026

FOURTH YEAR

PHARMA - D

CLINICAL PHARMACY

Time: 3 Hours

Maximum : 70 Marks

SECTION-A

Answer any FIVE of the following Questions. 5 x 14 = 70 M
All Questions carry equal marks.

01. White in detail about patient data analysis.
02. Explain how would you assess Cardiac disorders with the aid of various laboratory investigations? Add a note on the development of clinical pharmacy.
03. Explain microbiological culture sensitivity tests and detail about the critical evaluation of Biomedical Literature
04. Write the various types of medication errors with examples. Add a note on liver function tests and their significance.
05. Define Pharmacovigilance, and discuss in detail reporting of adverse drug reactions along with causality assessment scales.
06. Brief about the interpretation of Thyroid function tests and explain about elements, outcomes, and processes of pharmaceutical care.
07. Add a note on Drug Utilisation evaluation.

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IV/VI PHARM-D (REG) DEGREE EXAMINATIONS, MAR/APR - 2026

FOURTH YEAR

PHARMA - D

BIostatistics & Research Methodology

Time: 3 Hours

Maximum : 70 Marks

SECTION - A

Answer any FIVE of the following Questions. 5 x 14 = 70 M
All Questions carry equal marks.

01. Give a detailed account of sample size determination.
02. Explain the uses of computers in drug information retrieval and storage.
03. Define Epidemiology. Explain in detail various study designs used in epidemiology.
04. Various steps are involved in testing the significance of a single mean and the difference between two means (independent samples) in small samples using the 't' distribution.
05. Discuss the Computer medication order entry.
06. Explain the Types of clinical study design.
07. Explain the Analysis of variance.

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IV/VI PHARM-D (REG) DEGREE EXAMINATIONS, MAR/APR - 2026

FOURTH YEAR

PHARMA - D

BIOPHARMACEUTICS & PHARMACOKINETICS

Time: 3 Hours

Maximum : 70 Marks

SECTION - A

Answer any FIVE of the following Questions. 5 x 14 = 70 M
All Questions carry equal marks.

01. Elaborate on Pharmaceutical factors influencing G.I.T absorption and Nonlinear kinetics-Causes and estimation of K_m and V_{max} .
02. Discuss the Physiological barriers to the distribution of drugs. And In Vitro drug dissolution testing models.
03. What are the Physiological barriers to the distribution of drugs? Write briefly about Invivo - Invitro correlations and BCS classification.
04. Explain briefly the mechanism of drug absorption in G.I.T. and Define bioavailability. Explain various methods used for the determination of Bioavailability.
05. Discuss intravenous injection, in one compartment model.
06. Explain in detail pharmacokinetic and pharmacodynamic parameters.
07. What are the major parameters studied in the urinary excretion data?

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IV/VI PHARM-D (REG) DEGREE EXAMINATIONS, MAR/APR - 2026

FOURTH YEAR

PHARMA - D

CLINICAL TOXICOLOGY

Time: 3 Hours

Maximum : 70 Marks

SECTION - A

Answer any FIVE of the following Questions. 5 x 14 = 70 M
All Questions carry equal marks.

01. Discuss in detail the signs and symptoms of hallucinogens abuse, tobacco and its treatment.
02. Explain the clinical signs, symptoms, mechanism of action, diagnosis and treatment of acute poisoning with paracetamol, methanol, and salicylates.
03. Explain in detail the signs, symptoms, and treatment of opioids and CNS depressants.
04. Discuss various heavy metal poisoning emphasizing the clinical symptoms and its management.
05. Describe the Clinical effects of Venom, general management as first aid, early manifestations and complications of snake bite injuries.
06. Add a note on general principles involved in the management of poisoning.
07. Discuss supportive care in clinical toxicology and gut decontamination.

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IV/VI PHARM-D (REG) DEGREE EXAMINATIONS, MAR/APR - 2026

FOURTH YEAR

PHARMA - D

PHARMACOTHERAPEUTICS - I & II

(PHARM D.P.B) STUDENTS ONLY

Time: 3 Hours

Maximum : 70 Marks

SECTION - A

Answer any FIVE of the following Questions. 5 x 14 = 70 M
All Questions carry equal marks.

01. Describe the etiopathogenesis, clinical features and pharmacological management of Hypertension. Classify antihypertensive drugs with examples.
02. Explain the pathophysiology, clinical features and pharmacological management of Bronchial Asthma.
03. Explain thyroid disorders and discuss drugs used in hyperthyroidism and hypothyroidism.
04. Discuss the aetiology, clinical features and management of viral and bacterial conjunctivitis.
05. Describe the aetiology, pathogenesis and pharmacological management of Tuberculosis.
06. Write a note on the pathophysiology and pharmacological management of rheumatoid arthritis.
07. Explain the basic principles of cancer chemotherapy and classification of anticancer drugs.