



Code No. G-13273

FACULTY OF PHARMACY

Pharma. D (6 YDC) IV - Year (Main & Backlog) Examination, August 2025

Subject: Hospital Pharmacy

Time: 3 Hours

Max. Marks: 70

PART - A

Note: Answer all the questions.

(10 x 2 = 20 Marks)

1. Define Hospital and Hospital Pharmacy.
2. Write a note on Role & Responsibilities of Hospital pharmacist.
3. Write a short note on Hospital formulary.
4. Write a note on infection committee.
5. Write notes on the role of the pharmacist in drug procurement.
6. What is the pharmacist role in central sterile supply.
7. Write notes on automatic stop orders for dangerous drugs.
8. Differentiate between granule and powder.
9. Discuss the applications of Radiopharmaceuticals.
10. Write notes on function of drug information center.

PART - B

Note: Answer any five questions.

(5 x 10 = 50 Marks)

11. Classify hospitals? Mention the various functions of hospital.
12. Write notes on various methods of inventory control like ABC, EOQ, VED Analysis, buffer stock and safety stock.
13. Write in detail about the composition and functioning of hospital infection control committee (HICC).
14. What is drug distribution in hospital? Explain distribution of narcotic and other controlled substances.
15. (a) Write the various methods of preparation of oral dosage formulations.
(b) Write notes on the method of preparation of ointments.
16. Define Radiopharmaceuticals. Explain the role of Pharmacist in handling and packaging of Radiopharmaceuticals.
17. Explain the significance of continuing professional development programs in a Hospital.
18. Explain Budget preparation and implementation.





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FACULTY OF PHARMACY
Pharm. D (6 YDC) IV – Year (Main & Backlog) Examination, August 2025

Subject: Clinical pharmacy

Time: 3 Hours

Max.Marks:70

PART – A

Note: Answer all the questions

(10 x 2 = 20 Marks)

1. Define Medication History interview.
2. Write a note on Medication Reconciliation.
3. Define ward rounds? Classify Ward Rounds?
4. Define Spontaneous Reporting system with examples.
5. Write a short note on Poison Information Centre with example.
6. Give the laboratory Interpretation for Hypothyroidism and Hyperthyroidism.
7. List out the components of Critical Appraisal of Biomedical Literature?
8. Write a note on ADR Assessment scales?
9. Write a note on photosensitive reactions with examples?
10. Write the classification of DUE with examples?

PART – B

Note: Answer any five questions.

(5 x 10 = 50 Marks)

11. Define Adverse Drug Reaction? Classify it with examples?
12. Write a detailed note on Quality Assurance of Clinical pharmacy services?
13. Define Clinical Pharmacy? Write the Aims and applications of Clinical Pharmacy?
14. Define Pharmaceutical care? Explain any two methods of Pharmaceutical care Concepts?
15. Define Medication Errors? Explain types of medication errors with suitable examples?
16. Define DUE? Write a detailed note on steps involved in the process of DUE?
17. (a) Write a note on resources of Drug Information with examples?
(b) Explain the systematic approach of answering Drug information Query?
18. (a) Define patient counselling and its Barriers?
(b) Write a brief note on communication skills with examples?





Code No: G-13276/PB

FACULTY OF PHARMACY
Pharm. D (3 YDC) I - Year (PB) (Main & Backlog) Examination, August 2025
Subject: Biopharmaceutics & Pharmacokinetics

Time: 3 Hours

Max.Marks:70

PART – A

Note: Answer all the questions

(10 x 2 = 20 Marks)

1. Write a note on drug metabolizing enzymes.
2. Differentiate protein drug binding and tissue drug binding
3. Write the significance of determining half-life of drug
4. Mention different methods to estimate AUC.
5. Enlist the factors that influence gastric emptying
6. Write a note on mean residence time (MRT) for one compartment model.
7. Define bioavailability and write a note on absolute bioavailability and relative Bioavailability.
8. Write a note on BCS classification system
9. Enlist different pharmacodynamic parameters.
10. Define induction and inhibition

PART – B

Note: Answer any five questions.

(5 x 10 = 50 Marks)

11. Write a detailed note on phase I Oxidation reactions. (10)
12. Classify the pharmacokinetic models, give their salient features, advantages and disadvantages. (10)
13. (a) Write about different barriers for drug distribution (6)
(b) Write briefly about facilitated diffusion (4)
14. (a) Derive the equation for determination of K_a by Ioo-Riegelman method (6)
(b) Add a note on IVIVC (4)
15. Discuss in detail about bio-equivalency study protocol. (10)
16. Explain briefly about different non-renal routes of excretion (10)
17. (a) Explain how bioavailability is measured using urinary data (5)
(b) Write about any four methods for enhancing bioavailability of drugs. (5)
18. Derive the equations for calculating C_{max} and C_{min} following repeated IV injections. (10)





Code No. F-13275/PB

FACULTY OF PHARMACY

Pharma. D (3 YDC) (PB) I - Year (Main & Backlog) Examination, August 2025
Subject: Biostatistics and Research Methodology

Time: 3 Hours

Max. Marks: 70

PART – A

Note: Answer all the questions.

(10 x 2 = 20 Marks)

1. Give a brief note on Type-I and Type-II errors.
2. Define incidence and prevalence of a disease.
3. Write a note on Epi Info.
4. What is Primary data and Secondary data?
5. Discuss about the relative risk and attributable risk.
6. Calculate the median for the following data recorded on no of seeds per pod
No. of seeds per pod = 10,15,12,13,14,14,13,15,12,11,15.
7. What is Null hypothesis and alternate hypothesis? Give one example.
8. Explain about scatter graph.
9. Differentiate between correlation and Regression.
10. What are parametric tests? Give examples.

PART – B

Note: Answer any five questions.

(5 x 10 = 50 Marks)

11. In an ecological study, water samples were collected in alternate months to study about flora population. The number of organisms are expressed as organisms/ 1×10^3 are given. Test the hypothesis that the no of organisms present in each sample does not depend on the particular sample. (Tabulated Chi square is 11.1 at 5% level of probability).

Sample numbers	No. of organisms / 1×10^3
1	80
2	83
3	101
4	60
5	93
6	87

12. Data on spike length of wheat variety are given below. Calculate the mean, the Variance, Standard deviation & the coefficient of variation of spike length (cms) is 20,22,26,25,20,20,19,25,24,22.
13. Explain in detail about the one way ANOVA with one example.
14. (a) Explain the role of computers in Hospital Pharmacy.
(b) Explain the role of computers in community Pharmacy.

15. (a) Explain about students paired and unpaired T-test.
(b) Write about SPSS software.
16. Explain about the observational and interventional studies in clinical study design.
17. Write in detail about drug information storage and retrieval.
18. Find out Karl Pearsons coefficient in the following series relating to prices and supply of a commodity.

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