


$$P_{\text{max}} = 0.4 + 0.25$$

FACULTY OF PHARMACY

Pharm. Educ. 1999; 33: 103-104. The Med & Nursing Newsletter, August 2001

Budget: £100,000

Time 1 Hours

[illegible]

INDEX

Answer: All of the questions

294 张士才、张世英

1. Explain Electrostatic Agency Interview
2. Write a note on Electrostatic Repulsion
3. Define what is an Electrostatic Field
4. Define Electrostatic Repulsion system with example
5. Write a note on Electrostatic Charge with example
6. Give the definition of Electrostatic Charge with example
7. List the properties of Electrostatic Charge with example
8. Write a note on Electrostatic Charge with example
9. Write a note on Electrostatic Charge with example
10. Write the definition of Electrostatic Charge with example

NAME _____

Septic 4 tested and they were negative.

陳永發 (Chen Wing-fat)

11. Define Adverse Drug Reaction? Give it with example?
12. Write a detailed note on Toxic Reactions of Cardiovascular system?
13. Define Digitalis toxicity? Write its signs and symptoms of Calcium toxicity?
14. Define Pharmacokinetics? Explain any two, include a Pharmacokinetic curve (Graph)?
15. Define Biochemical Assay? Explain types of methods where with suitable example?
16. Define CL₅₀? Give a related note on interpretation in the presence of D₅₀?
17. (a) Write a short note on modes of drug interaction with example?
(b) Explain the synergistic approach of assessing Drug-Drug Interaction?
18. (a) Define passive resuscitation and its benefit?
(b) Write a short note on communication with example?



FACULTY OF PHARMACY
Pharm. D (3 YRS) 1st Year (Ph) (New & Existing Candidates) August 2024
Subject: Biopharmaceutics & Pharmacokinetics

Time: 3 Hours

Max. Marks: 100

PART - A

Note: Answer all the questions

(20 x 5 = 100 Marks)

1. Write a note on drug-releasing systems.
2. Differentiate passive drug binding and active drug binding.
3. Write the significance of measuring half-life of drug.
4. Describe different methods to estimate AUC.
5. Enumerate factors that influence gastric emptying.
6. Write criteria for drug metabolism (low [MTT] to high [MTT] drug).
7. Define bioavailability and write a note on pre-clinical bioavailability and clinical bioavailability.
8. Write a note on BCS Classification.
9. Enumerate different pharmacokinetic models.
10. Define compartmental models.

PART - B

Note: Answer any five questions

(5 x 20 = 100 Marks)

11. Write a note on open phase / Diffusion controlled release. (15)
12. Classify the pharmacokinetic models. Give their salient features, advantages and disadvantages. (20)
13. (a) Write about software for drug distribution. (10)
 (b) Write briefly about facilitated diffusion. (5)
14. (a) Derive the equation for determination of k_d by the Floppman method. (8)
 (b) Add a note on IVPC. (8)
15. Discuss in detail about two-pharmacokinetic study protocol. (15)
16. Explain briefly compartmental pharmacokinetic models of absorption. (10)
17. (a) Explain how bioavailability is measured using urinary data. (8)
 (b) Write about any four methods for estimating bioavailability of drugs. (12)
18. Derive the equations for calculating Cl_{int} and Cl_{ex} following response to multiple IVC. (10)



JEDDAH, P.O. BOX 1147

FACULTY OF PHARMACY

Pharm. D (1st DEGREE) - Year (Six) & Enrolling Examination, August 2019

Subject: Statistical and Research Technology

Time: 2 Hours

Max. Marks: 50

PART - A

Note: Answer all the questions.

(10 x 5 = 50 Marks)

1. Give critical value for Right and Left tail tests.
2. Define incidence and prevalence of a disease.
3. What is level of significance?
4. What is Primary data and Secondary data?
5. What are the limitations for questionnaire?
6. Calculate the mean for the following data (rounded) value of weeks (11, 200)
No. of weeks per year = 11, 15, 17, 21, 14, 16, 13, 18, 22, 19
7. What is Null hypothesis and alternate hypothesis? Give an example.
8. Explain about scatter plot.
9. Differentiate between correlation and regression.
10. What are parametric test? Give an example.

PART - B

Note: Answer any five questions.

(5 x 10 = 50 Marks)

11. In a hospital study, data were collected on the number of visits to the doctor by patients. The number of visits was categorized as follows: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. The data are as follows: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Length (mm)	NC of specimens / 1000
1	10
2	20
3	30
4	40
5	50
6	60
7	70
8	80
9	90
10	100

12. Explain the importance of statistical tests in research. Calculate the mean and standard deviation for the following data: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100.
13. Explain the importance of statistical tests in research.
14. Explain the importance of statistical tests in research.

15. Is there any other security protocol associated with the OU Filter used in this software?
16. Explain how the dimensional and the vertical Matrix is formed using design.
17. Write a short note on the information storage and retrieval.
18. Find out that Pearson's coefficient is the following series consisting of the same number of elements.



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FACULTY OF PHARMACY

Pharm. 2 & VCD II - Year II MB & BS (Med) Examination, August 2023

Subject: Hospital Pharmacy

Time: 3 Hours

Max. Marks: 70

PART - A

Answer all the questions.

(10 x 2 = 20 Marks)

1. Define Hospital and Hospital Pharmacy.
2. Write short on Role of Hospital Pharmacy.
3. Write short on Hospital Pharmacy.
4. Write short on Hospital Pharmacy.
5. Write short on the role of the pharmacist in drug procurement.
6. Write short on the role of the pharmacist in drug dispensing.
7. Write short on the role of the pharmacist in drug distribution.
8. Write short on the role of the pharmacist in drug administration.
9. Write short on the role of the pharmacist in drug monitoring.
10. Write short on the role of the pharmacist in drug evaluation.

PART - B

Answer any five questions.

(5 x 12 = 60 Marks)

11. Discuss the role of the pharmacist in drug procurement.
12. Write short on the role of the pharmacist in drug dispensing.
13. Write short on the role of the pharmacist in drug distribution.
14. Write short on the role of the pharmacist in drug administration.
15. Write short on the role of the pharmacist in drug monitoring.
16. Write short on the role of the pharmacist in drug evaluation.
17. Discuss the role of the pharmacist in drug procurement.
18. Discuss the role of the pharmacist in drug dispensing.
19. Discuss the role of the pharmacist in drug distribution.
20. Discuss the role of the pharmacist in drug administration.
21. Discuss the role of the pharmacist in drug monitoring.
22. Discuss the role of the pharmacist in drug evaluation.



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FACULTY OF PHARMACY

Pharm. D-3 (10/17) - Year (Mat & Nursing) Examination, August 2022

Subject: Clinical pharmacy

Time: 2 Hours

Max/Marks: 75

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 round? (Clearly) What is it?
4. Define Symptomatic Reporting system with examples.
5. Write a short note on Patient Information Cards with examples.
6. Give the laboratory interpretation for Hypothyroidism and Hyperthyroidism.
7. List out the components of Clinical Inpatient Assessment (Structure).
8. Write a note on ADR (Adverse Drug Reaction).
9. Write a note on pharmacovigilance monitoring with examples.
10. Define the classification of TDM.

PART - B

Note: Answer any five questions.

(5 x 10 = 50 Marks)

11. Define Adverse Drug Reaction? (Clearly) Give examples.
12. Write a detailed note on Quality Indicators of Clinical pharmacy practice.
13. Define Drug Utilization? Write the aims and objectives of Clinical Pharmacy?
14. Define Pharmacist's role? Explain any two indicators of Pharmacist's role (Choose).
15. Define Medication History? Explain types of medication errors with suitable examples.
16. Define TDM? Write a short note on when to perform in the presence of TDM?
17. (a) Write a note on structure of Drug Information with examples.
(b) Explain the systematic approach of answering Drug Information Query?
18. (a) Define patient counseling and its benefits.
(b) Write a short note on communication skills with examples.

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Code: 0-1121640

FACULTY OF PHARMACY

Pharm. 2 (3 YOC) 1st Year (Ph) (Fall & Spring Semesters) August 2024

Subject: Biopharmaceutics & Pharmacokinetics

Date: 5 Hours

Max. Score: 100

PART - A

Note: Answer all the questions

(20 x 5 = 100 Marks)

1. Write a note on drug metabolism enzymes.
2. Differentiate passive drug binding and active drug binding.
3. Write the significance of assessing half-life of drug.
4. Describe different methods to estimate AUC.
5. List the factors that influence gastric emptying.
6. Write a note on renal excretion rate (MRT) in drug excretion (renal).
7. Define bioavailability and write a note on absolute bioavailability and relative bioavailability.
8. Write a note on AUC degradation study.
9. Define different pharmacokinetic parameters.
10. Define bioequivalence studies.

PART - B

Note: Answer any five questions

(5 x 10 = 50 Marks)

11. Write a note on the phases of elimination reactions. (10)
12. Classify the pharmacokinetic models, give their salient features, advantages and disadvantages. (10)
13. (a) Write about different factors for drug distribution. (10)
(b) Write briefly about facilitated diffusion. (5)
14. (a) Derive the equation for determination of k_{el} by the Wagner-Juraska method. (5)
(b) Add a note on IVPC. (5)
15. Discuss in detail about bio-equivalence study protocol. (10)
16. Explain briefly about different non-linear modes of excretion. (10)
17. (a) Explain how bioavailability is measured using urinary excretion. (5)
(b) Write about any four methods for assessing bioavailability of drugs. (5)
18. Derive the equations for calculating C_{max} and C_{min} following repeated IV injections. (10)



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FACULTY OF PHARMACY

Pharm.D (DIPLOMA) (Ph.D.) - Year (Min 4-Entry) Examination, August 2019
Subject: Statistics and Research Methodology

Time: 2 hours

Max. Marks: 70

PART - A

NOTE: Answer all the questions.

(10 x 7 = 70 Marks)

1. Give a brief note on: T-test and F-test.
2. Define variance and standard deviation.
3. Write a note on: ANOVA.
4. What is a probability distribution?
5. Define a normal distribution.
6. Calculate the probability of the following data: normal, mean of 100, SD of 10.
No. of trials per year: 11, 12, 13, 14, 15, 16, 17, 18, 19, 20.
7. What is a hypothesis test?
8. Define a hypothesis test.
9. Define a hypothesis test.
10. Define a hypothesis test.

PART - B

NOTE: Answer any five questions.

(5 x 14 = 70 Marks)

11. In a population study, where sample size collected is 1000, the mean is 100, SD is 10. The number of subjects who are positive for the disease is 100. The number of subjects who are negative for the disease is 900. The number of subjects who are positive for the disease is 100. The number of subjects who are negative for the disease is 900.

Length (mm)	No. of subjects
100	100
110	100
120	100
130	100
140	100
150	100
160	100
170	100
180	100
190	100
200	100

12. Define a hypothesis test. The number of subjects who are positive for the disease is 100. The number of subjects who are negative for the disease is 900. The number of subjects who are positive for the disease is 100. The number of subjects who are negative for the disease is 900.
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