



UAGN/10042010

Faculty of Medicine

5. Pharmacology & Therapeutics Module: Pharmacology, Jan 2023

Subject: Clinical Pharmacology & Therapeutics

Date of issue:

Date Recd. by:

Write down only full names of all lecturers in your department. Do NOT write:

1. (i) Number of L10 questions (200 questions) 10
- (ii) Number of questions in your department (200) 10
2. (i) First name of Lecturer in your department 1
- (ii) Department name, Faculty of Medicine, University of Lagos 1
3. What are the primary drugs in your department? 10
4. Define Pharmacokinetics and Pharmacodynamics with appropriate examples 17
5. Define a Pharmacokinetic parameter and explain its significance 10
6. (i) Define pharmacokinetics 10
- (ii) Define pharmacodynamics 10
7. Define L10 and explain its significance in your department 10
8. Define L10 and explain its significance in your department 10



UNIVERSITY OF BIRMINGHAM

6. Planning, Design & Construction Management (MSc) - Foundation Year 1

1.10.2020 (Version 1.0)

Page 1 of 1

Page 1 of 1

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1. (a) Produce a schematic diagram of the structure of the building. (4 marks)
- (b) Produce a schematic diagram of the structure of the building. (4 marks)
2. (a) Explain the structure of the building. (4 marks)
- (b) Explain the structure of the building. (4 marks)
3. (a) Explain the structure of the building. (4 marks)
- (b) Explain the structure of the building. (4 marks)
4. (a) Explain the structure of the building. (4 marks)
- (b) Explain the structure of the building. (4 marks)
5. (a) Explain the structure of the building. (4 marks)
- (b) Explain the structure of the building. (4 marks)
6. (a) Explain the structure of the building. (4 marks)
- (b) Explain the structure of the building. (4 marks)
7. (a) Explain the structure of the building. (4 marks)
- (b) Explain the structure of the building. (4 marks)
8. (a) Explain the structure of the building. (4 marks)
- (b) Explain the structure of the building. (4 marks)
9. (a) Explain the structure of the building. (4 marks)
- (b) Explain the structure of the building. (4 marks)
10. (a) Explain the structure of the building. (4 marks)
- (b) Explain the structure of the building. (4 marks)



FACULTY OF PHARMACY

B. Pharmacy (PB) - Semester I
 Subject: Pharmacology and Toxicology
 Date: / /

Page 3 of 3

2023/2024

Q. Answer any five questions, in separate writing sheets. (5 x 15 = 75 marks)

1. Define the term 'pharmacokinetics' and its four main components. (15)
2. Explain the difference between 'pharmacodynamics' and 'pharmacokinetics'. (15)
3. Define the term 'therapeutic index' and its significance. (15)
4. Define the term 'LD50' and its significance. (15)
5. Define the term 'margin of safety' and its significance. (15)
6. Define the term 'therapeutic window' and its significance. (15)
7. Define the term 'therapeutic drug monitoring' and its significance. (15)
8. Define the term 'therapeutic failure' and its significance. (15)
9. Define the term 'adverse drug reaction' and its significance. (15)
10. Define the term 'drug toxicity' and its significance. (15)
11. Define the term 'drug dependence' and its significance. (15)
12. Define the term 'drug withdrawal' and its significance. (15)
13. Define the term 'drug resistance' and its significance. (15)
14. Define the term 'drug abuse' and its significance. (15)
15. Define the term 'drug addiction' and its significance. (15)



Code No. 2018-2019

Faculty of Health Sciences
Department of Health, Behavior and Society
Public Health Program

Page 1 of 2

Class Room 11

Question 1: Multiple Choice Questions. All questions carry equal marks of 10 marks each.

1. a. A community health worker is conducting a home visit. 10%
 b. Which of the following is not a correct approach to a home visit?
2. a. The community health worker should always wear a uniform. 10%
 b. The community health worker should always wear a uniform.
3. a. The community health worker should always wear a uniform. 10%
 b. The community health worker should always wear a uniform.
4. a. The community health worker should always wear a uniform. 10%
 b. The community health worker should always wear a uniform.
5. a. The community health worker should always wear a uniform. 10%
 b. The community health worker should always wear a uniform.
6. a. The community health worker should always wear a uniform. 10%
 b. The community health worker should always wear a uniform.
7. a. The community health worker should always wear a uniform. 10%
 b. The community health worker should always wear a uniform.
8. a. The community health worker should always wear a uniform. 10%
 b. The community health worker should always wear a uniform.

Page 1 of 2



INVESTMENT

At the end of the year 2021, the company has decided to invest in a new project.

Subject: Principles of Investment and Finance

Page 1 of 1

Page 1 of 1

Now answer the following questions. All questions carry 10 marks.

1. Explain the concept of the time value of money. (10 marks)
2. A company has decided to invest in a new project. The project has a cost of \$100,000 and is expected to generate a cash flow of \$20,000 per year for 10 years. Calculate the NPV of the project. (10 marks)
3. Explain the concept of the internal rate of return (IRR). (10 marks)
4. A company has decided to invest in a new project. The project has a cost of \$100,000 and is expected to generate a cash flow of \$20,000 per year for 10 years. Calculate the IRR of the project. (10 marks)
5. A company has decided to invest in a new project. The project has a cost of \$100,000 and is expected to generate a cash flow of \$20,000 per year for 10 years. Calculate the payback period of the project. (10 marks)
6. A company has decided to invest in a new project. The project has a cost of \$100,000 and is expected to generate a cash flow of \$20,000 per year for 10 years. Calculate the discounted payback period of the project. (10 marks)
7. Explain the concept of the net present value (NPV). (10 marks)

FACULTY OF PHARMACY

Medicines/Pharmacology 1 Semester F18 (Starting) Examination 2018/2019 Subject: Principles of Drug Discovery

Time: 3 hours

Instructions:

Write answers for this question in all questions. Long essay marks:

1. a) What is the role of liposomes in drug delivery? (2-3)
b) Discuss the role of liposomes in drug delivery. (3-4)
2. a) What is the role of liposomes in drug delivery? (2-3)
b) Discuss the role of liposomes in drug delivery. (3-4)
3. a) What is the role of liposomes in drug delivery? (2-3)
b) Discuss the role of liposomes in drug delivery. (3-4)
4. a) What is the role of liposomes in drug delivery? (2-3)
b) Discuss the role of liposomes in drug delivery. (3-4)
5. a) What is the role of liposomes in drug delivery? (2-3)
b) Discuss the role of liposomes in drug delivery. (3-4)
6. a) What is the role of liposomes in drug delivery? (2-3)
b) Discuss the role of liposomes in drug delivery. (3-4)
7. a) What is the role of liposomes in drug delivery? (2-3)
b) Discuss the role of liposomes in drug delivery. (3-4)
8. a) What is the role of liposomes in drug delivery? (2-3)
b) Discuss the role of liposomes in drug delivery. (3-4)
9. a) What is the role of liposomes in drug delivery? (2-3)
b) Discuss the role of liposomes in drug delivery. (3-4)
10. a) What is the role of liposomes in drug delivery? (2-3)
b) Discuss the role of liposomes in drug delivery. (3-4)

Effectively Managing

E. Parvovirus (Parvovirus B-1) Serotype PFC 26-800; Ciba-Geigy, Ltd., June 2004

Subject: Phonics/Spelling and Fluency and Comprehension

Time 1 score

Sales & Marketing TV

*Haber beslenme için önermektedir. 200 kkal'ın üzerindeki enerji değerleri için tavsiye eder.

- [illegible]

FACULTY OF PHARMACY

B Pharmacy (Pharmaceutical Technology) Final Exam
(April 2021)

Select One or More of the Following Questions

Type I Exam

Max Marks: 75

Answer at least six of the questions. All questions carry equal marks.

- | | |
|---|----|
| 1. (a) Explain the mechanism of COX inhibition. | 10 |
| (b) Explain the structure and action of an Inhaled Corticosteroid. | 10 |
| 2. Explain the mechanism of action of the following drugs: (a) ACE Inhibitor (b) Beta-blocker (c) Calcium channel blocker (d) Diuretic. | 10 |
| 3. Explain the mechanism of action of the following drugs: (a) Anticancer drug (b) Anticancer drug (c) Anticancer drug (d) Anticancer drug. | 10 |
| 4. (a) Explain the mechanism of action of the following drugs: (a) Anticancer drug (b) Anticancer drug (c) Anticancer drug (d) Anticancer drug. | 10 |
| (b) Explain the mechanism of action of the following drugs: (a) Anticancer drug (b) Anticancer drug (c) Anticancer drug (d) Anticancer drug. | 10 |
| 5. (a) Explain the mechanism of action of the following drugs: (a) Anticancer drug (b) Anticancer drug (c) Anticancer drug (d) Anticancer drug. | 10 |
| (b) Explain the mechanism of action of the following drugs: (a) Anticancer drug (b) Anticancer drug (c) Anticancer drug (d) Anticancer drug. | 10 |
| 6. (a) Explain the mechanism of action of the following drugs: (a) Anticancer drug (b) Anticancer drug (c) Anticancer drug (d) Anticancer drug. | 10 |
| (b) Explain the mechanism of action of the following drugs: (a) Anticancer drug (b) Anticancer drug (c) Anticancer drug (d) Anticancer drug. | 10 |
| 7. Explain the mechanism of action of the following drugs: (a) Anticancer drug (b) Anticancer drug (c) Anticancer drug (d) Anticancer drug. | 10 |
| 8. Explain the mechanism of action of the following drugs: (a) Anticancer drug (b) Anticancer drug (c) Anticancer drug (d) Anticancer drug. | 10 |



Book No. C-204/PC

TRUST OF PHARMACY

B. Pharmacy (Pharmaceutics) Examination Commission
October 2022

Supplementary and Therapeutic Answering Methods - I

TIME: 3 Hours

Roll No. ()

Write answer any five questions. All questions carry equal marks

1. Define and draw the (1:10) procedure of fluid extraction. Mention 2 (2) of their applications. (10)
2. Explain the following statements of ICH on the use of preservatives. (10)
3. What are preservatives?
a. Germicides/bactericides (5)
b. Fungicides/mouldicides (5)
4. Define pH. Mention the most used and values / limitations of pH in testing drugs. (10)
5. pH titration:
a. Principles of acid-base titration (5)
b. Advantages of titrimetric method (5)
6. What does mean by:
a. Oxidation-reduction (5)
b. Redox reaction (5)
7. What is a biochemical? Explain the various drugs used for the treatment of leprosy. (10)
8. Define leprosy. Mention 3 (3) of the following: (10)
a. Causes
b. Signs and symptoms
c. Treatment

—



UNIVERSITY OF BIRMINGHAM

FACULTY OF PHARMACY

B. Pharmacy (Pharmacology) - 4 semester (H3) exam & laboratory (laboratory 2021)

CHAMBERLAIN

Subject: ANATOMY AND PHYSIOLOGY - 2

TIME: 1 HOUR

MAX MARKS: 50

Only Answer any five questions. All questions carry equal marks

1. (a) How are drugs transported in the blood stream? (4 marks)
(b) Describe the mechanism of drug transport. (4 marks) (8)
2. (a) Explain the mechanism of action of antihypertensive drugs. (4 marks)
(b) Classify the drugs used in the treatment of hypertension. (4 marks) (8)
3. (a) Describe the mechanism of action of antidiabetic drugs. (4 marks)
(b) Classify the drugs used in the treatment of diabetes. (4 marks) (8)
4. (a) Explain the mechanism of action of antipsychotic drugs. (4 marks)
(b) Classify the drugs used in the treatment of schizophrenia. (4 marks) (8)
5. (a) Describe the mechanism of action of antiepileptic drugs. (4 marks)
(b) Classify the drugs used in the treatment of epilepsy. (4 marks) (8)
6. (a) Explain the mechanism of action of antihistaminic drugs. (4 marks)
(b) Classify the drugs used in the treatment of allergic disorders. (4 marks) (8)
7. (a) Explain the mechanism of action of antitubercular drugs. (4 marks)
(b) Classify the drugs used in the treatment of tuberculosis. (4 marks) (8)
8. (a) Explain the mechanism of action of antineoplastic drugs. (4 marks)
(b) Classify the drugs used in the treatment of cancer. (4 marks) (8)



DATE SET BY: 22/04/2021

SCHOOL OF PHARMACY

1st Part of Pharmacology & Therapeutics (Pharmacology) Examination
2020/2021

Subject: Clinical Pharmacology & Therapeutics

TIME: 2 HOURS

MAX. MARKS: 75

Note: Answer any five questions. All questions carry equal marks.

1. a. Describe the structure of a protein in a solution. (5)
 b. Describe the role of protein in a solution. (5)
2. a. Describe the role of a protein in a solution. (5)
 b. Describe the role of a protein in a solution. (5)
3. a. Describe the role of a protein in a solution. (5)
 b. Describe the role of a protein in a solution. (5)
4. Describe the role of a protein in a solution. (5)
5. Describe the role of a protein in a solution. (5)
6. a. Describe the role of a protein in a solution. (5)
 b. Describe the role of a protein in a solution. (5)
7. Describe the role of a protein in a solution. (5)
8. Describe the role of a protein in a solution. (5)



Code Number: D-EP-03PQ

SCHOOL OF PHARMACY

B. Pharmacy (Pharmaceutical Chemistry) Programme & Biology & Chemistry

SEMESTER 1ST

Subject: Pharmacology of Drug Chemistry

Theory: 1 Hour

Maximum: 10

NOTE: Answer any five questions. All questions carry equal marks.

1. Define, Tissue and local anaesthetics. State the various methods through which local anaesthetics are administered. 3+7
2. (a) Write a note on combination therapy.
(b) Describe with a note of drug-drug interactions in combination therapy. 3+7
3. (a) Define & Give clinical uses of high throughput screening.
(b) Explain & Give clinical applications of drug screening. 3+7
4. (a) Describe the various methods of drug screening and their clinical applications.
(b) Give a note on clinical applications. 3+7
5. (a) Describe the various methods of drug screening and their clinical applications.
(b) Give a note on clinical applications. 3+7
6. (a) Write a note on combination therapy and its clinical applications.
(b) Write a note on combination therapy and its clinical applications. 3+7
7. (a) Describe the applications of X-ray crystallography in drug screening.
(b) Write a note on applications of drug screening. 3+7
8. (a) Give the various methods of drug screening and their clinical applications.
(b) Write a note on clinical applications of drug screening. 3+7



FACULTY OF PHARMACY

B. Pharmacy (Pharmaceutical Chemistry) - I
Semester (Pharmaceutical Chemistry) - I
Year: 2021

Subject: Pharmaceutical Chemistry - I
Date: / /

Time: 3 hours

Max. Marks: 75

Note: Answer any five questions. All questions carry equal marks.

1. Define pH and its importance in pharmaceuticals. Give an example of a buffer solution.
2. (a) Define pH and its importance in pharmaceuticals. Give an example of a buffer solution.
(b) Define pH and its importance in pharmaceuticals. Give an example of a buffer solution.
3. Define pH and its importance in pharmaceuticals. Give an example of a buffer solution.
4. Define pH and its importance in pharmaceuticals. Give an example of a buffer solution.
5. Define pH and its importance in pharmaceuticals. Give an example of a buffer solution.
6. Define pH and its importance in pharmaceuticals. Give an example of a buffer solution.
7. Define pH and its importance in pharmaceuticals. Give an example of a buffer solution.
8. Define pH and its importance in pharmaceuticals. Give an example of a buffer solution.



Page No. 9 (2018/19)

FACULTY OF PHARMACY
IN PHARMACY PHARMACOLOGY & CLINICAL PHARMACOLOGY
May 2018
Subject: Clinical Pharmacology and Pharmacokinetics

Time: 2 hours

Roll Number: 76

Write answer any five questions. No question carry more than

1. (a) Give a note on pharmacokinetics.
(b) What are the main factors affecting pharmacokinetics?
2. (a) Describe pharmacokinetics. List the main parameters. (b) Give the definition of half-life.
3. (a) Define clinical trials. Describe the different types of clinical trials.
(b) What are the ethical aspects of clinical trials?
4. (a) Define drug toxicity and describe the different types of drug toxicity.
(b) Give a note on the management of drug toxicity.
5. (a) What are the clinical applications of pharmacokinetics?
(b) What are the limitations?
6. (a) Give a note on the pharmacokinetics of drugs in the elderly.
(b) What are the clinical applications of pharmacokinetics in the elderly?
7. (a) Give a note on the pharmacokinetics of drugs in the neonate.
(b) Give the main clinical applications of pharmacokinetics in the neonate.
8. (a) Give a note on the pharmacokinetics of drugs in the pregnant woman.
(b) Give the main clinical applications of pharmacokinetics in the pregnant woman.



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FACULTY OF PHARMACY

Pharmacy (Pharmaceutical Science) - 2024/25 Academic Year

April 2025

Subject: Pharmacology of Drug Discovery

Time: 3 hours

Pharmacy

Write answers to the questions in question paper form.

1. a) Write the two pharmacokinetic drug classes.
b) Write the two pharmacodynamic drug classes.
2. a) Write the two pharmacokinetic drug classes.
b) Write the two pharmacodynamic drug classes.
3. a) Write the two pharmacokinetic drug classes.
b) Write the two pharmacodynamic drug classes.
4. a) Write the two pharmacokinetic drug classes.
b) Write the two pharmacodynamic drug classes.
5. a) Write the two pharmacokinetic drug classes.
b) Write the two pharmacodynamic drug classes.
6. a) Write the two pharmacokinetic drug classes.
b) Write the two pharmacodynamic drug classes.
7. a) Write the two pharmacokinetic drug classes.
b) Write the two pharmacodynamic drug classes.
8. a) Write the two pharmacokinetic drug classes.
b) Write the two pharmacodynamic drug classes.
9. a) Write the two pharmacokinetic drug classes.
b) Write the two pharmacodynamic drug classes.
10. a) Write the two pharmacokinetic drug classes.
b) Write the two pharmacodynamic drug classes.
11. a) Write the two pharmacokinetic drug classes.
b) Write the two pharmacodynamic drug classes.
12. a) Write the two pharmacokinetic drug classes.
b) Write the two pharmacodynamic drug classes.
13. a) Write the two pharmacokinetic drug classes.
b) Write the two pharmacodynamic drug classes.
14. a) Write the two pharmacokinetic drug classes.
b) Write the two pharmacodynamic drug classes.
15. a) Write the two pharmacokinetic drug classes.
b) Write the two pharmacodynamic drug classes.
16. a) Write the two pharmacokinetic drug classes.
b) Write the two pharmacodynamic drug classes.
17. a) Write the two pharmacokinetic drug classes.
b) Write the two pharmacodynamic drug classes.
18. a) Write the two pharmacokinetic drug classes.
b) Write the two pharmacodynamic drug classes.
19. a) Write the two pharmacokinetic drug classes.
b) Write the two pharmacodynamic drug classes.
20. a) Write the two pharmacokinetic drug classes.
b) Write the two pharmacodynamic drug classes.



Page No. 9 (2020/21)

FACULTY OF PHARMACY
Pharmaceutical Chemistry I (Pharmaceutical Chemistry I)
2020/2021
Examination Questions

Time: 2 hours

Full Marks: 10

Note: Answer any five questions. All questions carry equal marks.

(10 x 2 = 20 marks)

1. a) Draw the structure of the following compound: CC(=O)NCC(=O)N
 b) Give the name of the compound.
2. a) Explain the mechanism of action of the following drug: CC(=O)NCC(=O)N
 b) Give the name of the drug. Define the pharmacology of the drug.
3. a) Draw the structure of the following compound: CC(=O)NCC(=O)N
 b) Give the name of the compound.
4. a) Draw the structure of the following compound: CC(=O)NCC(=O)N
 b) Give the name of the compound.
5. a) Draw the structure of the following compound: CC(=O)NCC(=O)N
 b) Give the name of the compound.
6. a) Draw the structure of the following compound: CC(=O)NCC(=O)N
 b) Give the name of the compound.
7. a) Draw the structure of the following compound: CC(=O)NCC(=O)N
 b) Give the name of the compound.
8. a) Draw the structure of the following compound: CC(=O)NCC(=O)N
 b) Give the name of the compound.



2020-2021 (2021)

PHYSICS OF THE SOLAR SYSTEM

A. Physics of the Solar System (2020-2021) (2021)

Examination, December 2021

Time: 1 hour

Max Marks: 25

NOTE: Answer any five questions, all questions carry equal marks

1. Explain the role of the Sun in the Solar System.
2. Explain the role of the planets in the Solar System.
 - (a) Explain the role of the planets in the Solar System.
 - (b) Explain the role of the planets in the Solar System.
3. Explain the role of the moons in the Solar System.
4. Explain the role of the comets in the Solar System.
 - (a) Explain the role of the comets in the Solar System.
 - (b) Explain the role of the comets in the Solar System.
5. Explain the role of the asteroids in the Solar System.
6. Explain the role of the meteoroids in the Solar System.
7. Explain the role of the meteorites in the Solar System.
8. Explain the role of the meteor showers in the Solar System.



2022-2023

PHARMACY PLACEMENTS
W. Pharmacy Placement (2) II Semester (PC - II) (Pharm & Biology) Distribution
December 2022
Subject: Clinical & Events and Placement Agents

Time: 3 hours

(Max. marks: 100)

Note: Answer any five questions. All questions carry equal marks.

1. (a) Write a note on the following:
(i) The importance of the following:
(ii) The importance of the following:
(iii) The importance of the following:
2. (a) Write a note on the following:
(i) The importance of the following:
(ii) The importance of the following:
(iii) The importance of the following:
3. (a) Write a note on the following:
(i) The importance of the following:
(ii) The importance of the following:
(iii) The importance of the following:
4. (a) Write a note on the following:
(i) The importance of the following:
(ii) The importance of the following:
(iii) The importance of the following:
5. (a) Write a note on the following:
(i) The importance of the following:
(ii) The importance of the following:
(iii) The importance of the following:
6. (a) Write a note on the following:
(i) The importance of the following:
(ii) The importance of the following:
(iii) The importance of the following:
7. (a) Write a note on the following:
(i) The importance of the following:
(ii) The importance of the following:
(iii) The importance of the following:
8. (a) Write a note on the following:
(i) The importance of the following:
(ii) The importance of the following:
(iii) The importance of the following:



EXAMINER'S SIGNATURE

FACULTY OF PHARMACY
OF PHARMACY (PHARMACEUTICALS) - FACULTY OF PHARMACY
UNIVERSITY OF JORDAN
EXAMINER'S SIGNATURE

Time: 1 hour

Page: 1 of 1

Write the answers to the questions in the spaces provided.

1. (a) Explain the structure and function of the following:
 (i) The central nervous system.
 (ii) The peripheral nervous system.
 (iii) The autonomic nervous system.
 (iv) The somatic nervous system.
2. (a) Explain the structure and function of the following:
 (i) The central nervous system.
 (ii) The peripheral nervous system.
 (iii) The autonomic nervous system.
 (iv) The somatic nervous system.
3. (a) Explain the structure and function of the following:
 (i) The central nervous system.
 (ii) The peripheral nervous system.
 (iii) The autonomic nervous system.
 (iv) The somatic nervous system.
4. (a) Explain the structure and function of the following:
 (i) The central nervous system.
 (ii) The peripheral nervous system.
 (iii) The autonomic nervous system.
 (iv) The somatic nervous system.
5. (a) Explain the structure and function of the following:
 (i) The central nervous system.
 (ii) The peripheral nervous system.
 (iii) The autonomic nervous system.
 (iv) The somatic nervous system.
6. (a) Explain the structure and function of the following:
 (i) The central nervous system.
 (ii) The peripheral nervous system.
 (iii) The autonomic nervous system.
 (iv) The somatic nervous system.
7. (a) Explain the structure and function of the following:
 (i) The central nervous system.
 (ii) The peripheral nervous system.
 (iii) The autonomic nervous system.
 (iv) The somatic nervous system.
8. (a) Explain the structure and function of the following:
 (i) The central nervous system.
 (ii) The peripheral nervous system.
 (iii) The autonomic nervous system.
 (iv) The somatic nervous system.
9. (a) Explain the structure and function of the following:
 (i) The central nervous system.
 (ii) The peripheral nervous system.
 (iii) The autonomic nervous system.
 (iv) The somatic nervous system.
10. (a) Explain the structure and function of the following:
 (i) The central nervous system.
 (ii) The peripheral nervous system.
 (iii) The autonomic nervous system.
 (iv) The somatic nervous system.



Page No. 2 of 2 (100%)

FACULTY OF PHARMACY

AL-FORTHAN (PHARMACY) & GENERAL (CLINICAL) MEDICAL FORMULATIONS

LABORATORY

REPORT NUMBER: 01/2023/00000000

Time: 1 hour

Max. score: 10

Write down the name of the patient and the date of the visit

1. (a) Patient's name and address of the patient's home
(b) Doctor's name and address of the doctor's home
2. (a) The description of the patient's condition
(b) The description of the patient's condition
3. (a) Patient's name and address of the patient's home
(b) Patient's name and address of the patient's home
4. (a) The description of the patient's condition
(b) Patient's name and address of the patient's home
5. (a) The description of the patient's condition
(b) Patient's name and address of the patient's home
6. (a) The description of the patient's condition
(b) Patient's name and address of the patient's home
7. (a) The description of the patient's condition
(b) Patient's name and address of the patient's home
8. (a) The description of the patient's condition
(b) Patient's name and address of the patient's home



UNIVERSITY OF LAGOS

UNIVERSITY OF LAGOS

Faculty of Pharmacy & Health Sciences
Pharmacy Practice & Research (PPR) Department
May 2022

Pharmacy Practice & Research Department

Page 2 of 2

Page 2 of 2

Write short notes on any five of the following questions:

1. a) Discuss the pharmacokinetics of CD-25 protein.
b) Discuss the pharmacodynamics of CD-25 protein.
2. a) Discuss the pharmacokinetics of CD-25 protein.
b) Discuss the pharmacodynamics of CD-25 protein.
3. a) Discuss the pharmacokinetics of CD-25 protein.
b) Discuss the pharmacodynamics of CD-25 protein.
4. a) Discuss the pharmacokinetics of CD-25 protein.
b) Discuss the pharmacodynamics of CD-25 protein.
5. a) Discuss the pharmacokinetics of CD-25 protein.
b) Discuss the pharmacodynamics of CD-25 protein.
6. a) Discuss the pharmacokinetics of CD-25 protein.
b) Discuss the pharmacodynamics of CD-25 protein.
7. a) Discuss the pharmacokinetics of CD-25 protein.
b) Discuss the pharmacodynamics of CD-25 protein.
8. a) Discuss the pharmacokinetics of CD-25 protein.
b) Discuss the pharmacodynamics of CD-25 protein.



UNIVERSITY OF CAMBRIDGE

FACULTY OF PHARMACY

IN PHARMACY PHARMACY (B) - ANATOMY & PHYSIOLOGY (PART 1) - 2021

Subject: Anatomy & Physiology - B

2021-2022

2021-2022

Note: Answer any five questions. All questions carry equal marks.

1. (a) Draw and label the structure of the heart, showing the four chambers and the major blood vessels.
(b) Describe the function of the heart.
2. (a) Describe the structure of the respiratory system, showing the trachea, bronchi, bronchioles, and alveoli.
(b) Describe the function of the respiratory system.
3. (a) Describe the structure of the digestive system, showing the mouth, pharynx, oesophagus, stomach, and small intestine.
(b) Describe the function of the digestive system.
4. (a) Describe the structure of the urinary system, showing the kidneys, ureters, bladder, and urethra.
(b) Describe the function of the urinary system.
5. (a) Describe the structure of the reproductive system, showing the testes, vas deferens, ureters, bladder, and urethra.
(b) Describe the function of the reproductive system.
6. (a) Describe the structure of the endocrine system, showing the hypothalamus, pituitary gland, thyroid gland, and adrenal gland.
(b) Describe the function of the endocrine system.
7. (a) Describe the structure of the nervous system, showing the brain, spinal cord, and peripheral nerves.
(b) Describe the function of the nervous system.
8. (a) Describe the structure of the immune system, showing the lymphatic system, spleen, and thymus gland.
(b) Describe the function of the immune system.



224 卷二

FACTS OF THE CASE

© 2004 Blackwell Publishing Ltd, *Journal of Internal Medicine* 255: 105–112

附 221

Subject: Biomechanics and Technological Screening Method 1-8

www.elsevier.com

THE AUTHOR 255

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1. Should I invest \$6,000 (projected annual income) in a new car?
2. What are my costs?
(a) New car purchase price
(b) Gas and maintenance
3. What are my expected benefits? Should the savings and expenses of my new car outweigh the costs?
4. Get the \$6,000. Cash is easy to come by for me.
5. Plan to use the car only for my business.
6. Consider my safety requirements for the car.
7. Get a good deal. Look around for the best price possible.
8. Pay for the car in cash.

2. Method

See Also: 4-oxo-2-pentanone; 4-oxo-2-pentanone; 4-oxo-2-pentanone



Exam Ref: 100010-12

FACULTY OF PHARMACE

B. Pharmacy Pharmacology & Therapeutics (Pharmacology) Examination
 December 2020

Subject: Pharmacology (Pharmacology)

Time: 2 hours

Total Marks: 100

Notes: Answer all questions. All questions carry equal marks.

(120 + 75 marks)

1. (a) Describe the pharmacokinetics of a drug.
- (b) Describe the pharmacodynamics of a drug.
2. (a) Describe the mechanism of action of a drug.
- (b) Describe the side effects of a drug.
3. (a) Describe the pharmacokinetics of a drug.
- (b) Describe the pharmacodynamics of a drug.
4. (a) Describe the mechanism of action of a drug.
- (b) Describe the side effects of a drug.
5. (a) Describe the pharmacokinetics of a drug.
- (b) Describe the pharmacodynamics of a drug.
6. (a) Describe the mechanism of action of a drug.
- (b) Describe the side effects of a drug.
7. (a) Describe the pharmacokinetics of a drug.
- (b) Describe the pharmacodynamics of a drug.
8. (a) Describe the mechanism of action of a drug.
- (b) Describe the side effects of a drug.



DOCS NO. 00000-00

SCHOOL OF PHARMACY

in pharmacy pharmacology & toxicology course plan & training curriculum
Revision 1017

Subject: Pharmacognosy and Toxicological Imporing Methods - B

Page 3 of 3

Date: 10/10/17

Note: For use only for the purpose of the course plan & training curriculum.

10/10/17

1. To illustrate a short presentation of the course plan & training curriculum
in the course plan & training curriculum
2. To illustrate a short presentation of the course plan & training curriculum
in the course plan & training curriculum
3. To illustrate a short presentation of the course plan & training curriculum
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4. To illustrate a short presentation of the course plan & training curriculum
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6. To illustrate a short presentation of the course plan & training curriculum
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7. To illustrate a short presentation of the course plan & training curriculum
in the course plan & training curriculum
8. To illustrate a short presentation of the course plan & training curriculum
in the course plan & training curriculum



Exam Ref: PHARM2

UNIVERSITY OF BIRMINGHAM

Biopharmacy Pharmacology & Systems (PC) (Basic Coding) Examination **Examiner: JCB**

Subject: Advanced Pharmacology (A)

Time: 1 hour

Max. Marks: 40

Notes: Answer all three questions. All questions carry equal marks.
(1 x 12 + 7 x 8 = 40 marks)

1. (a) Define the primary, secondary and tertiary structure of a protein.
 (b) Discuss the role of disulfide bonds in protein structure.
2. (a) Define the primary structure of a protein.
 (b) Discuss the role of disulfide bonds in protein structure.
3. (a) Discuss the role of disulfide bonds in protein structure.
 (b) Discuss the role of disulfide bonds in protein structure.
4. (a) Discuss the role of disulfide bonds in protein structure.
 (b) Discuss the role of disulfide bonds in protein structure.
5. (a) Discuss the role of disulfide bonds in protein structure.
 (b) Discuss the role of disulfide bonds in protein structure.
6. (a) Discuss the role of disulfide bonds in protein structure.
 (b) Discuss the role of disulfide bonds in protein structure.
7. (a) Discuss the role of disulfide bonds in protein structure.
 (b) Discuss the role of disulfide bonds in protein structure.
8. (a) Discuss the role of disulfide bonds in protein structure.
 (b) Discuss the role of disulfide bonds in protein structure.



UNIVERSITY OF LAGOS

WOLFFSON INSTITUTE

M. Pharm. (Pharmology) & B.Sc. (Pharm.) (Pharmacology) Examination
December 2021

Subject: Clinical Pharmacology and Therapeutics

Time: 2 hours

Rate: N1000.00

Write short answers to the following questions. (10 x 4 = 40 marks)

1. a) Define Pharmacokinetics. b) List 4 factors that influence the pharmacokinetics of a drug.
2. a) Define Pharmacodynamics. b) List 4 factors that influence the pharmacodynamics of a drug.
3. a) Define Therapeutic Index. b) List 4 factors that influence the Therapeutic Index of a drug.
4. a) Define Toxicity. b) List 4 factors that influence the toxicity of a drug.
5. a) Define Side Effect. b) List 4 factors that influence the side effect of a drug.
6. a) Define Contraindication. b) List 4 factors that influence the contraindication of a drug.
7. a) Define Drug Interaction. b) List 4 factors that influence the drug interaction of a drug.
8. a) Define Drug Abuse. b) List 4 factors that influence the drug abuse of a drug.



FACULTY OF PHARMACY
U. Jordan (Pharmacy) - Jordan PC (1000)
 semester: spring 2011
 subject: advanced Pharmacology - A

total no. of marks:

type of exam:

MCQ, short, or

total answer per 1 hr duration:

15 or 20 marks

1. a. Clinical symptoms related to: Doxycycline toxicity
 b. Side effect: nausea and vomiting.
2. a. Clinical signs related to: digoxin toxicity
 b. Find an antidote to reverse the toxicity of digoxin.
3. a. Explain mechanism of action of p-blockers
 b. Clinical applications: Exacerbation of asthma.
4. a. Clinical effects of playing sports: acute renal insufficiency
 b. Side effect: loss of potassium.
5. a. Clinical effects of increasing plasma
 b. Clinical effects: dehydration and hypotension.
6. a. Side effect: loss of consciousness
 b. Side effect: Torsades de pointes.
7. a. Side effect: loss of consciousness
 b. Clinical effects: loss of consciousness.
8. a. Explain the mechanism of action of the treatment of Acute renal disease
 b. Clinical effects: loss of consciousness.



FACULTY OF SCIENCE

Faculty of Science

B. Program (Pre-Engineering) - Grade 10 (SC1000)

Continuum, July 2019

Subject: Science - Physics and Chemistry

Page 7 of 10

SC1000-19

100% written exam (100% of total score)

100% written exam

1. a) Draw a free-body diagram (FBD) for the system.
b) Calculate the net force on the system.
2. a) Calculate the work done by the system.
b) Calculate the power of the system.
3. a) Calculate the change in kinetic energy.
b) Calculate the change in potential energy.
4. a) Calculate the change in momentum.
b) Calculate the change in kinetic energy.
5. a) Calculate the change in temperature.
b) Calculate the change in internal energy.
6. a) Calculate the change in enthalpy.
b) Calculate the change in Gibbs free energy.
7. a) Calculate the change in entropy.
b) Calculate the change in Gibbs free energy.
8. a) Calculate the change in enthalpy.
b) Calculate the change in Gibbs free energy.
9. a) Calculate the change in enthalpy.
b) Calculate the change in Gibbs free energy.
10. a) Calculate the change in enthalpy.
b) Calculate the change in Gibbs free energy.



FACULTY OF PHARMACY

AL-KHAYMA - 17/11/2020

Basic Pharmacy Pharmacology Examination of the Approved Examination, July 2020

Form 2 sheet **Subject: Principles of Drug Discovery** **has to be 15**

with answer are free to choose

quantity number

1. a) What is the main role of the drug discovery process?
b) Explain the main role of the drug discovery process.
2. a) What is the importance of the drug discovery process?
b) Explain the importance of the drug discovery process.
3. a) What is the main role of the drug discovery process?
b) Explain the main role of the drug discovery process.
4. a) What is the main role of the drug discovery process?
b) Explain the main role of the drug discovery process.
5. a) What is the main role of the drug discovery process?
b) Explain the main role of the drug discovery process.
6. a) What is the main role of the drug discovery process?
b) Explain the main role of the drug discovery process.
7. a) What is the main role of the drug discovery process?
b) Explain the main role of the drug discovery process.
8. a) What is the main role of the drug discovery process?
b) Explain the main role of the drug discovery process.
9. a) What is the main role of the drug discovery process?
b) Explain the main role of the drug discovery process.
10. a) What is the main role of the drug discovery process?
b) Explain the main role of the drug discovery process.

Pharmacy, Pharmacology & Therapeutics Faculty & Faculty Committee
College 100

Subject: Pharmacological Testing and Research Methods I

(1st: 3 hours)

(2nd: 3 hours)

Total: answer any Five questions

(5 x 20 = 100 Marks)

1. Write a short note on pharmacokinetics (10 Marks) (1000-1100 words)
2. Explain the term "Dose-response relationship" and its importance in pharmacology (10 Marks)
3. a) Write short note on pharmacokinetics (10 Marks) (1000-1100 words)
 b) Discuss the role of pharmacokinetics in drug therapy (10 Marks)
4. Define the term "Dose-response relationship" and its importance in pharmacology (10 Marks)
5. a) Write short note on pharmacokinetics (10 Marks) (1000-1100 words)
 b) Discuss the role of pharmacokinetics in drug therapy (10 Marks)
6. Write short note on:
 a) Pharmacokinetics (10 Marks) (1000-1100 words)
 b) Pharmacodynamics (10 Marks) (1000-1100 words)
7. Write short note on:
 a) Pharmacokinetics (10 Marks) (1000-1100 words)
 b) Pharmacodynamics (10 Marks) (1000-1100 words)
8. Define the term "Dose-response relationship" and its importance in pharmacology (10 Marks)

AMERICAN UNIVERSITY

Exam No. 84580

AMERICAN UNIVERSITY
 4400 DIKE DRIVE
 ALEXANDRIA, VA 22304
 TEL: 703/261-1000

Exam Name

Exam No. 84580

Only Multiple Choice questions

(1-20-25-30-35)

1. a) Which of the following is not a function of the...
 b) Which of the following is not a function of the...
2. a) Which of the following is not a function of the...
 b) Which of the following is not a function of the...
3. a) Which of the following is not a function of the...
 b) Which of the following is not a function of the...
4. a) Which of the following is not a function of the...
 b) Which of the following is not a function of the...
5. a) Which of the following is not a function of the...
 b) Which of the following is not a function of the...
6. a) Which of the following is not a function of the...
 b) Which of the following is not a function of the...
7. a) Which of the following is not a function of the...
 b) Which of the following is not a function of the...
8. a) Which of the following is not a function of the...
 b) Which of the following is not a function of the...
9. a) Which of the following is not a function of the...
 b) Which of the following is not a function of the...
10. a) Which of the following is not a function of the...
 b) Which of the following is not a function of the...



● 2010 年 10 月 1 日起

A. Hameiri, F. Maruani / *Journal of Macroeconomics* 29 (2007) 103–120

Internet: <http://www.elsevier.com/locate/locate/locate>

What answer any five questions. All questions carry equal marks.

1. a) Discuss the use of a statistical test in testing a hypothesis.
b) Explain the difference between a t -test and a F -test.
2. a) Discuss the use of a statistical test in testing a hypothesis.
b) Explain the difference between a t -test and a F -test.
3. a) Discuss the use of a statistical test in testing a hypothesis.
b) Explain the difference between a t -test and a F -test.
4. a) Discuss the use of a statistical test in testing a hypothesis.
b) Explain the difference between a t -test and a F -test.
5. a) Discuss the use of a statistical test in testing a hypothesis.
b) Explain the difference between a t -test and a F -test.



参考文献

A. Plummer (PharmD, BC-ADM) is Director, PCJ/JuV/JuV/JuV/JuV, January 2020

Abstract

1000-2000

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

Author's note: I am grateful to the referees for their helpful comments.

- a) Explain the steps used in the M-Change

b) What are your limitations? Discuss the consequences of a poor measurement
- a) What are the factors involved? Discuss the consequences of failure to implement a new screening policy

b) Discuss the possibilities of finding agents to screen individuals
- a) Explain the history

b) Importance of screening

c) Treatment of lung disease
- a) Define the validity and reliability of tests and measurement and laboratory

b) Role of test administration
- a) Explain the history

b) Importance of laboratory in cancer screening and diagnosis of patients in end-stage of cancer in the patient

c) Application of the laboratory in the management of cancer
- a) Define a premenstrual syndrome (PMS) and its treatment and control in screening agents and PMS, if possible

b) Role of the laboratory in PMS
- a) What is a clinical trial? Discuss the steps used in the treatment. Discuss the possibilities of screening agents
- a) Explain the history of cancer screening

b) Importance of screening



2020-21

INSTITUTE OF MECHANICAL ENGINEERS

of Engineering & Technology - 100 Years of Excellence

100th Anniversary

100th Anniversary of the Institution of Mechanical Engineers

Year 1909-10

Max Marks: 60

NOTE: Answer any Five Questions. All Questions Carry Equal Marks.

1. a. Explain the importance of the following:
 - i) Elasticity of IC IGC
 - ii) Elasticity of IC IGC
2. Explain the importance of the following:
 - i) Elasticity of IC IGC
 - ii) Elasticity of IC IGC
3. Explain the importance of the following:
 - i) Elasticity of IC IGC
 - ii) Elasticity of IC IGC
4. Explain the importance of the following:
 - i) Elasticity of IC IGC
 - ii) Elasticity of IC IGC
5. Explain the importance of the following:
 - i) Elasticity of IC IGC
 - ii) Elasticity of IC IGC
6. Explain the importance of the following:
 - i) Elasticity of IC IGC
 - ii) Elasticity of IC IGC
7. Explain the importance of the following:
 - i) Elasticity of IC IGC
 - ii) Elasticity of IC IGC
8. Explain the importance of the following:
 - i) Elasticity of IC IGC
 - ii) Elasticity of IC IGC
9. Explain the importance of the following:
 - i) Elasticity of IC IGC
 - ii) Elasticity of IC IGC
10. Explain the importance of the following:
 - i) Elasticity of IC IGC
 - ii) Elasticity of IC IGC



FACULTY OF PHARMACY

2024-2025 (1st Sem.)

1st Pharmacy (Pharmacology) - Service (C) (Assiut University)

Subject: Pharmacology I (Pharmacology: General, Systemic - I)

(1st Sem.)

(1st Sem.)

Write answers any five questions. All questions carry equal marks.

1. Discuss the ED₅₀ and ED₉₅ in toxicity studies. (10)
2. a. Write short notes on the following: (10)
 - i. ED₅₀
 - ii. ED₉₅
 - iii. ED₅₀ and ED₉₅
3. Write short notes on the following: (10)
 - i. ED₅₀
 - ii. ED₉₅
 - iii. ED₅₀ and ED₉₅
4. a. Write short notes on the following: (10)
 - i. ED₅₀
 - ii. ED₉₅
 - iii. ED₅₀ and ED₉₅
5. a. Write short notes on the following: (10)
 - i. ED₅₀
 - ii. ED₉₅
 - iii. ED₅₀ and ED₉₅
6. a. Write short notes on the following: (10)
 - i. ED₅₀
 - ii. ED₉₅
 - iii. ED₅₀ and ED₉₅
7. a. Write short notes on the following: (10)
 - i. ED₅₀
 - ii. ED₉₅
 - iii. ED₅₀ and ED₉₅
8. a. Write short notes on the following: (10)
 - i. ED₅₀
 - ii. ED₉₅
 - iii. ED₅₀ and ED₉₅
9. a. Write short notes on the following: (10)
 - i. ED₅₀
 - ii. ED₉₅
 - iii. ED₅₀ and ED₉₅
10. a. Write short notes on the following: (10)
 - i. ED₅₀
 - ii. ED₉₅
 - iii. ED₅₀ and ED₉₅



Date: 10/11/2023

FACULTY OF PHARMACY

M. Pharmacy Pharmacology II - Semester PC (2019) Distribution
2023/2024

Subject: Advanced Pharmacology - I

Page: 1/1000

Grading: 10

Note: Answer any five questions. All questions carry equal marks.

1. a) Discuss about local anesthetic properties. 1
b) Discuss the pharmacology of procaineamide. 9
2. a) Discuss the mechanism of action of procaineamide. 1
b) Discuss the mechanism of action of procaineamide. 9
3. a) Discuss the mechanism of action of procaineamide. 1
b) Discuss the mechanism of action of procaineamide. 9
4. a) Discuss the mechanism of action of procaineamide. 1
b) Discuss the mechanism of action of procaineamide. 9
5. a) Discuss the mechanism of action of procaineamide. 1
b) Discuss the mechanism of action of procaineamide. 9
6. a) Discuss the mechanism of action of procaineamide. 1
b) Discuss the mechanism of action of procaineamide. 9
7. a) Discuss the mechanism of action of procaineamide. 1
b) Discuss the mechanism of action of procaineamide. 9
8. a) Discuss the mechanism of action of procaineamide. 1
b) Discuss the mechanism of action of procaineamide. 9
9. a) Discuss the mechanism of action of procaineamide. 1
b) Discuss the mechanism of action of procaineamide. 9
10. a) Discuss the mechanism of action of procaineamide. 1
b) Discuss the mechanism of action of procaineamide. 9



TAMIL NADU ACADEMY

2020-21 (2021-22)

A. Ramani (Pharmology) I - Before (TQ) Hall Examination

20/05/2021

Subject: Clinical Research & Pharmacovigilance

(For 2 Marks)

(10 Minutes)

Note: Answer any Two questions. All questions carry equal marks.

1. a) Explain internet based system.
b) Write a note on clinical trial registration.
2. a) Explain the principle of EDC system.
b) List the advantages and disadvantages of EDC.
3. a) Explain the concept of adverse drug reaction.
b) Explain adverse drug reaction monitoring system.
4. Write a short note on the types of adverse drug reactions (10 marks).
5. Describe the factors which affect the incidence of ADR. Give your percentage of ADR.
6. What is pharmacovigilance? It is a science of drug safety and its regulatory processes.
7. Define ADR. Mention any 4 of the 7 signs from the list mentioned.
8. Write about:
a) ADR
b) Pharmacovigilance for quality assurance system.



PACIFIC UNIVERSITY

1200-46, 1200-190

B. Pharmacy (Pharmaceutics) - Semester (V) End Examination

2020-2021

Subject: Principles of Drug Discovery

Time: 3 Hours

Max. Marks: 75

Note: Answer any Two questions. All questions carry equal marks.

1. a) Write a note on target identification and validation. 7
2. Draw the structure of a receptor and name its parts. 8
3. a) Write a note on molecular recognition. 8
4. Explain the importance of binding site in drug discovery. 7
5. a) Write a note on molecular docking. 8
6. Explain the role of molecular docking in drug discovery. 8
7. a) Write a note on drug design. 7
8. Discuss the importance of drug design in drug discovery. 8
9. a) Write a note on drug design. 8
10. Discuss the importance of drug design in drug discovery. 8
11. a) Discuss the importance of drug design in drug discovery. 8
12. Discuss the importance of drug design in drug discovery. 8
13. a) Write a note on drug design. 8
14. Discuss the importance of drug design in drug discovery. 7
15. a) Write a note on drug design. 7
16. Discuss the importance of drug design in drug discovery. 8



FACULTY OF PHARMACY

UNIVERSITY OF JORDAN

Pharmacy (Pharmacy) - 1st Semester (PO) Final Examination

2021/2022

Subject: Pharmacology & Therapeutics (Pharmacology) - 1

(Time: 2 hours)

(Max. Marks: 100)

Students must answer five questions. All questions carry equal marks.

1. Discuss the role of the following drugs in the treatment of hypertension (20 marks)
 - a. ACE inhibitors
 - b. Beta-blockers
 - c. Calcium channel blockers
2. Discuss the role of the following drugs in the treatment of asthma (20 marks)
 - a. Beta-2 agonists
 - b. Inhaled corticosteroids
 - c. Anticholinergics
3. Discuss the role of the following drugs in the treatment of diabetes (20 marks)
 - a. Insulin
 - b. Oral hypoglycemics
 - c. Alpha-glucosidase inhibitors
4. Discuss the role of the following drugs in the treatment of heart failure (20 marks)
 - a. ACE inhibitors
 - b. Beta-blockers
 - c. Diuretics
5. Discuss the role of the following drugs in the treatment of hyperlipidemia (20 marks)
 - a. Statins
 - b. Fibrates
 - c. Niaspan



Course: 021470

FACTORY OF KNOWLEDGE

B-Pharm: Pharmacology & Therapeutics (CNS) (Applied Pharmacology)

Version 2.0

Final examination (written) (Pharmacology)

Time: 3 hours

Max Score: 75

Note: Answer any five questions. All questions carry equal marks

1. a) Explain the CNS pharmacology of:
 - i) Cocaine
 - ii) Amphetamine
2. a) Explain the mechanism of action of:
 - i) Cocaine
 - ii) Amphetamine
3. a) Explain the mechanism of action of:
 - i) Cocaine
 - ii) Amphetamine
4. a) Explain the mechanism of action of:
 - i) Cocaine
 - ii) Amphetamine
5. a) Explain the mechanism of action of:
 - i) Cocaine
 - ii) Amphetamine
6. a) Explain the mechanism of action of:
 - i) Cocaine
 - ii) Amphetamine
7. a) Explain the mechanism of action of:
 - i) Cocaine
 - ii) Amphetamine
8. a) Explain the mechanism of action of:
 - i) Cocaine
 - ii) Amphetamine
9. a) Explain the mechanism of action of:
 - i) Cocaine
 - ii) Amphetamine
10. a) Explain the mechanism of action of:
 - i) Cocaine
 - ii) Amphetamine



FACULTY OF PHARMACY

B. Pharmacy (Pharmaceutical Chemistry) - 5000 - Zarqa
January 2015

AMMAN 12150

Subject: Pharmacology of Drug Therapy

Time: 2 Hours

Max. Marks: 70

Write short answers for the questions. All questions carry equal marks.

1. a) What is a drug therapy? (10)
- b) Describe the role of drug therapy in the management of diabetes. (10)
2. a) What is a drug therapy? (10)
- b) Describe the role of drug therapy in the management of diabetes. (10)
3. a) What is a drug therapy? (10)
- b) Describe the role of drug therapy in the management of diabetes. (10)
4. a) What is a drug therapy? (10)
- b) Describe the role of drug therapy in the management of diabetes. (10)
5. a) What is a drug therapy? (10)
- b) Describe the role of drug therapy in the management of diabetes. (10)
6. a) What is a drug therapy? (10)
- b) Describe the role of drug therapy in the management of diabetes. (10)
7. a) What is a drug therapy? (10)
- b) Describe the role of drug therapy in the management of diabetes. (10)
8. a) What is a drug therapy? (10)
- b) Describe the role of drug therapy in the management of diabetes. (10)
9. a) What is a drug therapy? (10)
- b) Describe the role of drug therapy in the management of diabetes. (10)
10. a) What is a drug therapy? (10)
- b) Describe the role of drug therapy in the management of diabetes. (10)

OU-1704



2000年12月15日

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Project Manager: [Chris Jones](#)

11/21/2000

2003-04-29

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- | | |
|--|-------------------------------|
| <p> y. Classify and explain the steps. You can represent it using a flowchart, expanded and compact forms or tables, etc.
 (1) Find the number of total and polymers produced at each iteration. </p> | <p>60</p> <p>10</p> |
| <p> 2. a. Expand the number of all nodes at each of 4 iterations if a single double is added.
 b. Expand the number of all nodes, assume that number of double bonds is 1.
 (1) In fact (2) Estimate </p> | <p>40</p> <p>10</p> <p>10</p> |
| <p> 3. a. Classify each of 4 generations if the 1st generation is a monomer.
 (1) There is about 100000 monomers in each generation. </p> | <p>30</p> <p>10</p> |
| <p> 4. a. Give the relationship between number of generations and number of nodes in the tree.
 b. Give the relationship between number of generations and number of nodes in the tree.
 (1) In fact (2) Estimate </p> | <p>40</p> <p>10</p> |
| <p> 5. a. Classify number of all generations if a monomer.
 (1) There is about 100000 monomers in each generation. </p> | <p>30</p> <p>10</p> |
| <p> 6. a. Calculate the value of the number of nodes at 1 iteration.
 b. Calculate the number of nodes at 2 iterations and 250. </p> | <p>30</p> <p>10</p> |
| <p> 7. a. Give the number of generations of the nodes.
 b. There is about 100000 monomers in each generation. </p> | <p>30</p> <p>10</p> |
| <p> 8. a. Describe the use of the number of nodes at 1 iteration of the number of nodes.
 b. Expand 100000 monomers in each generation. </p> | <p>30</p> <p>10</p> |



FACULTY OF PHARMACY

8. Pharmacy (Pharmaceutical Technology) 1st year 1st semester
 Faculty: 0210101

Subject: Pharmaceutical Technology 1st semester 1st year

Time: 2 hours

Max Marks: 50

Write Answer any five questions. All questions carry equal marks.

1. Define the frequency components of GPC for the following compounds. 10
2. Explain the GPC separation of the mixture of some aromatic compounds. 10
3. Write about the following: 10
 - a. Benzene ring
 - b. Benzene ring
4. Write about the following for the mixture of some aromatic compounds. 10
5. Define safety in pharmacy. Explain the following: 10
6. Explain the following: 10
7. Explain the following: 10
8. Explain the following: 10



FACULTY OF HEALTH SCIENCES

CHLH101-2019-20

Advanced Pharmacology & Therapeutics Practical Examination, August 2020

Subject: Advanced Pharmacology & Therapeutics

Time: 2 Hours

Max. Marks: 70

Instructions: Answer any Five Questions, all Questions Carry Equal marks

1. a) Following questions asked? Discuss the pharmacokinetic and pharmacodynamic studies of paracetamol.
b) Pharmacokinetic & Pharmacodynamic studies
2. a) Classify **antibiotics**. Discuss the mechanism of action of **Penicillin G**.
b) Factors for pharmacokinetics of antibiotics
3. a) Define **analgesic**.
b) **Paracetamol**
c) **Morphine**
4. a) Discuss the mechanism of action of **paracetamol** in relieving pain.
b) Discuss the mechanism of action of **paracetamol** in relieving pain.
5. a) Discuss the mechanism of action of **paracetamol** in relieving pain.
b) Discuss the mechanism of action of **paracetamol** in relieving pain.
6. a) Discuss the mechanism of action of **paracetamol** in relieving pain.
b) Discuss the mechanism of action of **paracetamol** in relieving pain.
7. a) Define **analgesic**.
b) **Paracetamol**
c) **Morphine**
8. a) Discuss the mechanism of action of **paracetamol** in relieving pain.
b) Discuss the mechanism of action of **paracetamol** in relieving pain.

150

150

150

150

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150

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150

150



DATE: / /

PRACTICE OF PHARMACY

**At Pharmacy (Pharmacy) 5-10-1000 (P.O.) Bhubaneswar,
August 11, 2011**

Subject: Pharmacy and its importance in pharmacy education

Page 1 of 1

Page 1 of 1

NOTE: Answer any five questions. All questions carry equal marks.

1. State in detail the importance of pharmacy in society. 10
2. Explain in detail the five steps of the process of drug development. 10
3. Explain in detail the five steps of the process of drug development. 10
4. Explain in detail the five steps of the process of drug development. 10
5. Explain in detail the five steps of the process of drug development. 10
6. Explain in detail the five steps of the process of drug development. 10
7. Explain in detail the five steps of the process of drug development. 10
8. Explain in detail the five steps of the process of drug development. 10
9. Explain in detail the five steps of the process of drug development. 10
10. Explain in detail the five steps of the process of drug development. 10



PROCTING ANSWERS

Exam No. 2020

B. Pharmacy Pharmacology 35 Semester (PC) (Self-Examination)

Subject: PC

Subject: Clinical Pharmacology and Therapeutics

Page 1 of 10

Page 1 of 10

Write answers for the questions in question paper in short

1. Explain the mechanism of action of the following drugs: (10 marks)
2. a) Explain the mechanism of action of the following drugs: (10 marks)
- b) Explain the mechanism of action of the following drugs: (10 marks)
3. Explain the mechanism of action of the following drugs: (10 marks)
4. Explain the mechanism of action of the following drugs: (10 marks)
5. Explain the mechanism of action of the following drugs: (10 marks)
6. Explain the mechanism of action of the following drugs: (10 marks)
7. Explain the mechanism of action of the following drugs: (10 marks)
8. Explain the mechanism of action of the following drugs: (10 marks)
9. Explain the mechanism of action of the following drugs: (10 marks)
10. Explain the mechanism of action of the following drugs: (10 marks)



FACULTY OF PHARMACY

CODE: 101010

B.Pharmacy (Pharmacology) Entrance Exam (FCS Rule Committee, August 2016)

Subject: Advanced Pharmacology

Time: 2 Hours

May 2016, 10

Instructions: Answer only Five Questions, all Questions Carry Equal marks

1. (a) Following questions raised? Discuss the importance and mechanism of action of paracetamol.
(b) Mechanism of action of Aspirin.
2. (a) Classify **antibiotics**. Discuss the mechanism of action of **Penicillin**.
(b) Factors for development of antibiotic drug.
3. (a) Define **chemotherapy**.
(b) Chemoprevention.
4. (a) Discuss the mechanism of drug action of **antidiabetic drugs** used in patients with diabetes mellitus. Discuss the importance of **diabetic diet** in the management of diabetes mellitus.
5. (a) Explain the mechanism of **hypertension** by **aldosterone**.
(b) Explain the pathogenesis of **Adrenocortical** disease.
6. (a) Discuss the mechanism of **hypertension**.
(b) Discuss the **diagnosis** and **treatment** of **hypertension** caused by **COAD**.
7. (a) Define **hypertension** by **hypertension**.
(b) **Adrenocortical** disease.
8. (a) Discuss the mechanism of **hypertension** by **aldosterone**.
(b) Discuss the **diagnosis** and **treatment** of **hypertension** caused by **COAD**.

150

100

100

100

100

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100

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100