



Case 04 3418911

FACULTY OF PHARMACY

B. Pharmacy (Hons) (Honours) (BPharm) (Hons) (Hons) (Hons)

Year 2020

Subject: Pharmacology and Therapeutics (Pharmacology and Therapeutics)

Exam 1 (Hons)

Section 1

For each question, select the correct answer(s).

1. A patient with a respiratory infection is prescribed a course of antibiotics. The patient is also taking a course of oral contraceptives. Which of the following is/are correct? (2 marks)
 - A. The oral contraceptives may be less effective.
 - B. The oral contraceptives may be more effective.
2. A patient with a respiratory infection is prescribed a course of antibiotics. The patient is also taking a course of oral contraceptives. Which of the following is/are correct? (2 marks)
 - A. The oral contraceptives may be less effective.
 - B. The oral contraceptives may be more effective.
3. A patient with a respiratory infection is prescribed a course of antibiotics. The patient is also taking a course of oral contraceptives. Which of the following is/are correct? (2 marks)
 - A. The oral contraceptives may be less effective.
 - B. The oral contraceptives may be more effective.
4. A patient with a respiratory infection is prescribed a course of antibiotics. The patient is also taking a course of oral contraceptives. Which of the following is/are correct? (2 marks)
 - A. The oral contraceptives may be less effective.
 - B. The oral contraceptives may be more effective.
5. A patient with a respiratory infection is prescribed a course of antibiotics. The patient is also taking a course of oral contraceptives. Which of the following is/are correct? (2 marks)
 - A. The oral contraceptives may be less effective.
 - B. The oral contraceptives may be more effective.
6. A patient with a respiratory infection is prescribed a course of antibiotics. The patient is also taking a course of oral contraceptives. Which of the following is/are correct? (2 marks)
 - A. The oral contraceptives may be less effective.
 - B. The oral contraceptives may be more effective.
7. A patient with a respiratory infection is prescribed a course of antibiotics. The patient is also taking a course of oral contraceptives. Which of the following is/are correct? (2 marks)
 - A. The oral contraceptives may be less effective.
 - B. The oral contraceptives may be more effective.
8. A patient with a respiratory infection is prescribed a course of antibiotics. The patient is also taking a course of oral contraceptives. Which of the following is/are correct? (2 marks)
 - A. The oral contraceptives may be less effective.
 - B. The oral contraceptives may be more effective.



Page 10 of 10

UNIVERSITY OF BIRMINGHAM

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Page 10 of 10

Page 10 of 10

For information, the following information is provided:

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10/10/2001

© 2011 Blackwell Publishing Ltd *Journal of Internal Medicine* 270: 103–111

Network Technology is a member of the following:

Abstract

[illegible]

© 2004 Blackwell Publishing Ltd, *Journal of Internal Medicine* 255: 103–110

- | | |
|--|----------|
| 1. a) Which of the engines is lighter? | 20 Marks |
| b) Which engine has a higher compression ratio? | 10 Marks |
| 2. a) Which of the engines has a higher fuel efficiency? | 10 Marks |
| b) Which engine has a higher torque? | 10 Marks |
| 3. a) Which engine has a higher power output? | 10 Marks |
| b) Which engine has a higher torque? | 10 Marks |
| 4. a) Which engine has a higher fuel efficiency? | 10 Marks |
| b) Which engine has a higher torque? | 10 Marks |
| 5. a) Which engine has a higher fuel efficiency? | 10 Marks |
| b) Which engine has a higher torque? | 10 Marks |
| 6. a) Which engine has a higher fuel efficiency? | 10 Marks |
| b) Which engine has a higher torque? | 10 Marks |
| 7. a) Which engine has a higher fuel efficiency? | 10 Marks |
| b) Which engine has a higher torque? | 10 Marks |
| 8. a) Which engine has a higher fuel efficiency? | 10 Marks |
| b) Which engine has a higher torque? | 10 Marks |



Page 10 of 10

UNIVERSITY OF CAMBRIDGE

Examination of the Faculty of Education
 Department of Education
 School of Education
 Faculty of Education
 Department of Education
 School of Education

Page 10 of 10

Page 10 of 10

Page 10 of 10

1. (a) The first part of the question is about the concept of a 'good' or 'bad' person. (1 mark)
- (b) The second part of the question is about the concept of a 'good' or 'bad' person. (1 mark)
2. (a) The first part of the question is about the concept of a 'good' or 'bad' person. (1 mark)
- (b) The second part of the question is about the concept of a 'good' or 'bad' person. (1 mark)
3. (a) The first part of the question is about the concept of a 'good' or 'bad' person. (1 mark)
- (b) The second part of the question is about the concept of a 'good' or 'bad' person. (1 mark)
4. (a) The first part of the question is about the concept of a 'good' or 'bad' person. (1 mark)
- (b) The second part of the question is about the concept of a 'good' or 'bad' person. (1 mark)
5. (a) The first part of the question is about the concept of a 'good' or 'bad' person. (1 mark)
- (b) The second part of the question is about the concept of a 'good' or 'bad' person. (1 mark)
6. (a) The first part of the question is about the concept of a 'good' or 'bad' person. (1 mark)
- (b) The second part of the question is about the concept of a 'good' or 'bad' person. (1 mark)
7. (a) The first part of the question is about the concept of a 'good' or 'bad' person. (1 mark)
- (b) The second part of the question is about the concept of a 'good' or 'bad' person. (1 mark)
8. (a) The first part of the question is about the concept of a 'good' or 'bad' person. (1 mark)
- (b) The second part of the question is about the concept of a 'good' or 'bad' person. (1 mark)

FACULTY OF PHARMACY

B. Pharmacy I Semester (20) questions to be asked & to be answered

2014/2015

Supervisors: Mahamed Ali Saif / Youssef Ali

Time 3 Hours

Total Marks 70

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

1. a. Classify and briefly discuss common oral contraceptives & select of Pharmacological interactions in the Vaginal Contraception. 10
 b. Briefly discuss the clinical use of spermicides. 5
2. a. Discuss the technique of pessaries. 5
 b. Briefly discuss the use of pessaries in the treatment of. 5
3. a. Discuss the causes of leucorrhoea. Add a note on treatment. 5
 b. Write a report on the following conditions to test. 5
4. a. Discuss the use of mouth and throat washes in VDR. 10
 b. Write a note on Listerine mouthwash as a representative of VDR. 5
5. a. Classify the disinfectants and give brief notes on their mode of action. 10
 b. Briefly discuss the following disinfectants and give their uses. 5
6. a. Briefly discuss the uses and mode of action of disinfectants. 5
 b. Briefly discuss the uses and mode of action of disinfectants. 5
7. a. Briefly discuss the uses of disinfectants. 5
 b. Briefly discuss the uses of disinfectants. 5
8. a. Discuss the uses of disinfectants in the treatment of. 5
 b. Briefly discuss the uses of disinfectants. 5

FACULTY OF PHARMACY

B. Pharmacy (Pharmaceutics) – Semester (IV) (Plan-A, Institute/University)
 June 2022

Subject: Drug in Pharmaceutical Pharmaceutics

Time: 3 Hours

Max.Marks: 70

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

1. (a) Discuss the importance of chemical stability of drugs.
 (b) Why is pH important?
2. (a) Define Lat. space; what is its importance?
 (b) What is the role of chemical stability?
3. (a) What is the role of pH in the stability of drugs?
 (b) How does pH affect the stability of drugs?
4. (a) What is the role of pH in the stability of drugs?
 (b) How does pH affect the stability of drugs?
5. (a) Discuss the importance of chemical stability of drugs.
 (b) Why is pH important?
6. (a) Discuss the importance of chemical stability of drugs.
 (b) Why is pH important?
7. (a) Discuss the importance of chemical stability of drugs.
 (b) Why is pH important?
8. (a) Discuss the importance of chemical stability of drugs.
 (b) Why is pH important?

FACULTY OF PHARMACY

B Pharmacy Programme (B.Ph.) - Semester V Cell, Tissue & Nursing Pharmacology

2024-2025

Subject: Advanced Pharmacology (I)

Time: 3 Hours

Max Marks: 75

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

1. Explain the characteristics of a pro-drug.
Explain the role of pro-drug in drug therapy. (10)
2. Explain the mechanism of action of anti-hepatitis C drug, sofosbuvir.
Explain the mechanism of action of anti-hepatitis C drug, sofosbuvir. (10)
3. Explain the mechanism of action of anti-hepatitis C drug, sofosbuvir.
Explain the mechanism of action of anti-hepatitis C drug, sofosbuvir. (10)
4. Explain the mechanism of action of anti-hepatitis C drug, sofosbuvir.
Explain the mechanism of action of anti-hepatitis C drug, sofosbuvir. (10)
5. Explain the mechanism of action of anti-hepatitis C drug, sofosbuvir.
Explain the mechanism of action of anti-hepatitis C drug, sofosbuvir. (10)
6. Explain the mechanism of action of anti-hepatitis C drug, sofosbuvir.
Explain the mechanism of action of anti-hepatitis C drug, sofosbuvir. (10)
7. Explain the mechanism of action of anti-hepatitis C drug, sofosbuvir.
Explain the mechanism of action of anti-hepatitis C drug, sofosbuvir. (10)
8. Explain the mechanism of action of anti-hepatitis C drug, sofosbuvir.
Explain the mechanism of action of anti-hepatitis C drug, sofosbuvir. (10)



2004 年 12 月 15 日

TABLE 1. Summary

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LEAD: NATHAN PORTANTUCCI, ATTORNEY GENERAL

“Selling” Insurance

May 1998 19

DOI: 10.1002/eqe.2746

- [illegible]



Code No: P180090

FACULTY OF PHARMACY

M. Pharm (Pharmacology) Semester IV (B) (Log) Examination

Semester IV

Subject: Pharmacology and Pharmacology Technology (Semester IV)

Time: 3 hours

Max. Marks: 100

Note: Answer any 10 questions. All questions carry equal marks

1. (a) Describe the mechanism of action of the following drugs: (10 marks)
(i) Digoxin (10 marks)
2. (a) Describe the mechanism of action of the following drugs: (10 marks)
(i) Digoxin (10 marks)
3. (a) Describe the mechanism of action of the following drugs: (10 marks)
(i) Digoxin (10 marks)
4. (a) Describe the mechanism of action of the following drugs: (10 marks)
(i) Digoxin (10 marks)
5. (a) Describe the mechanism of action of the following drugs: (10 marks)
(i) Digoxin (10 marks)
6. (a) Describe the mechanism of action of the following drugs: (10 marks)
(i) Digoxin (10 marks)
7. (a) Describe the mechanism of action of the following drugs: (10 marks)
(i) Digoxin (10 marks)
8. (a) Describe the mechanism of action of the following drugs: (10 marks)
(i) Digoxin (10 marks)
9. (a) Describe the mechanism of action of the following drugs: (10 marks)
(i) Digoxin (10 marks)
10. (a) Describe the mechanism of action of the following drugs: (10 marks)
(i) Digoxin (10 marks)



Faculty of Health Sciences

M. Pharmacy (Pharmaceutical Sciences) (PhD) (Pharmaceutical Sciences)
 School of Pharmacy

Subject: Advanced Pharmacy

Test 1: Module

Max Score: 100

With reference to the questions, answer the following questions

1. a) What is the role of a pharmacist in a hospital?
 b) Describe the role of a pharmacist in a hospital.
2. a) Explain the importance of a pharmacist in a hospital.
 b) Explain the importance of a pharmacist in a hospital.
3. a) Describe the role of a pharmacist in a hospital.
 b) Describe the role of a pharmacist in a hospital.
4. a) Describe the role of a pharmacist in a hospital.
 b) Describe the role of a pharmacist in a hospital.
5. a) Describe the role of a pharmacist in a hospital.
 b) Describe the role of a pharmacist in a hospital.
6. a) Describe the role of a pharmacist in a hospital.
 b) Describe the role of a pharmacist in a hospital.
7. a) Describe the role of a pharmacist in a hospital.
 b) Describe the role of a pharmacist in a hospital.
8. a) Describe the role of a pharmacist in a hospital.
 b) Describe the role of a pharmacist in a hospital.

100
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 80
 70
 60
 50
 40
 30
 20
 10
 0



FACULTY OF PHARMACY

W. Mahalingam International University
Johor Bahru 80200

Subject: Clinical and Forensic Pharmacology

Time: 2 hours

Max. Marks: 75

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

1. (a) Discuss about drug receptors and related topics.
(b) Define drug with an example of a drug.
2. (a) Discuss about drug metabolism and excretion.
(b) Discuss about drug absorption and distribution.
3. (a) Discuss about drug action and effect.
(b) Discuss about drug toxicity and its management.
4. (a) Discuss about drug action and effect.
(b) Discuss about drug toxicity and its management.
5. (a) Discuss about drug action and effect.
(b) Discuss about drug toxicity and its management.
6. (a) Discuss about drug action and effect.
(b) Discuss about drug toxicity and its management.
7. (a) Discuss about drug action and effect.
(b) Discuss about drug toxicity and its management.
8. (a) Discuss about drug action and effect.
(b) Discuss about drug toxicity and its management.



2020/21 1-122/1902

Faculty of Life Sciences

18. Pharmacy & Veterinary (P&V) Undergraduate (BSc & Baring) Curriculum

May 2021

Approved: School Management & Quality Assurance

17th 2021

18th 2021

Notes: Reviewing P&V Questions 10 Questions over 20 marks

1. a) Define and discuss the term 'pharmacy' (10 marks)
2. a) Define and discuss the term 'pharmacy' (10 marks)
3. a) Define and discuss the term 'pharmacy' (10 marks)
4. a) Define and discuss the term 'pharmacy' (10 marks)
5. a) Define and discuss the term 'pharmacy' (10 marks)
6. a) Define and discuss the term 'pharmacy' (10 marks)
7. a) Define and discuss the term 'pharmacy' (10 marks)
8. a) Define and discuss the term 'pharmacy' (10 marks)
9. a) Define and discuss the term 'pharmacy' (10 marks)
10. a) Define and discuss the term 'pharmacy' (10 marks)



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FACULTY OF PHARMACY

in pharmacy (pharmacology) & related fields (pre & postgraduate examination)

May 2022

Subject: Pharmacology (pre & postgraduate examination)

TIME: 2 hours

MAX. MARKS: 100

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

1. a) Define fully agonist & competitive antagonist (2 marks)
b) Draw and label the dose-response curve for a competitive antagonist (2 marks)
2. Define tachyphylaxis. Define tolerance. Distinguish between tachyphylaxis & tolerance. Give an example of each (10 marks)
3. Define the following terms: a) Pharmacokinetics b) Pharmacodynamics c) Therapeutic index d) Side effect e) Toxicity (10 marks)
4. Define the following terms: a) Pharmacokinetics b) Pharmacodynamics c) Therapeutic index d) Side effect e) Toxicity (10 marks)
5. Define the following terms: a) Pharmacokinetics b) Pharmacodynamics c) Therapeutic index d) Side effect e) Toxicity (10 marks)
6. Define the following terms: a) Pharmacokinetics b) Pharmacodynamics c) Therapeutic index d) Side effect e) Toxicity (10 marks)
7. Define the following terms: a) Pharmacokinetics b) Pharmacodynamics c) Therapeutic index d) Side effect e) Toxicity (10 marks)
8. Define the following terms: a) Pharmacokinetics b) Pharmacodynamics c) Therapeutic index d) Side effect e) Toxicity (10 marks)



2020-21-22009402

SCHOOL OF MANAGEMENT

M. Sc. Management (MSc) - Semester 2020/21 Final Exam & Marking Certificate
 May 2021

Subject: Social and Business Mathematics

Time: 2 hours

Date: 2021/11

Note: Answer any five questions. The questions carry equal parts

1. a) State the Central Limit Theorem and give an example of its application. (10)
- b) Discuss the concept of a normal distribution. (10)
2. a) Discuss the concept of a normal distribution and give an example of its application. (10)
- b) Discuss the concept of a normal distribution and give an example of its application. (10)
3. a) Discuss the concept of a normal distribution and give an example of its application. (10)
- b) Discuss the concept of a normal distribution and give an example of its application. (10)
4. a) Discuss the concept of a normal distribution and give an example of its application. (10)
- b) Discuss the concept of a normal distribution and give an example of its application. (10)
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- b) Discuss the concept of a normal distribution and give an example of its application. (10)
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- b) Discuss the concept of a normal distribution and give an example of its application. (10)
8. a) Discuss the concept of a normal distribution and give an example of its application. (10)
- b) Discuss the concept of a normal distribution and give an example of its application. (10)
9. a) Discuss the concept of a normal distribution and give an example of its application. (10)
- b) Discuss the concept of a normal distribution and give an example of its application. (10)
10. a) Discuss the concept of a normal distribution and give an example of its application. (10)
- b) Discuss the concept of a normal distribution and give an example of its application. (10)



W. H. Rouse Ball (1829-1908)

NOTES ON CONTRIBUTORS

H. Pflüger, J. Grottel, A. J. J. van Duin, J. G. E. M. van den Brink, J. G. E. M. van den Brink, J. G. E. M. van den Brink

Editor: Robert Marriagood, *Head of Technology*

1999

Index: 101-102

title: Answer why the questions, not questions with your mark

1. a) Explain the structure of the atom.
b) Explain the structure of the atom.
c) Explain the structure of the atom.
2. a) Explain the structure of the atom.
b) Explain the structure of the atom.
c) Explain the structure of the atom.
3. a) Explain the structure of the atom.
b) Explain the structure of the atom.
c) Explain the structure of the atom.
4. a) Explain the structure of the atom.
b) Explain the structure of the atom.
c) Explain the structure of the atom.
5. a) Explain the structure of the atom.
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6. a) Explain the structure of the atom.
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7. a) Explain the structure of the atom.
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8. a) Explain the structure of the atom.
b) Explain the structure of the atom.
c) Explain the structure of the atom.



Internal Examination

FACULTY OF PHARMACY

Pharmacy (Pharmacology) I - Semester (PO) Backlog Examination
January 2023

Subject: Cellular and Molecular Pharmacology

Time: 3 Hours

Max. Marks: 75

Note: Choose any five questions, all questions carry equal marks.

1. (a) Define Diffusion. What is the rate of diffusion? Factors affecting it and its equation.
(b) Write the rate equation for diffusion.
2. (a) Define cell signaling. Write the steps of G-protein coupled receptor.
(b) (OR) Write the steps of protein kinase signaling.
3. Define gene therapy. Describe the steps of gene therapy and its ethical aspects.
4. (a) Write the synthesis of neurotransmitter Dopamine.
(b) Write the synthesis of neurotransmitter Acetylcholine and its release from the nerve terminal.
5. (a) Define the importance of RNA. Describe the steps of transcription.
(b) Write the steps of translation and the steps of protein synthesis.
6. Write the structure and function of neurotransmitter. (OR) Write the structure and function of protein.
7. (a) Define cell signaling. Write the steps of protein kinase signaling.
(b) Define the structure and function of cell membrane.
8. (a) Define the structure and function of the nucleus.
(b) Write the synthesis of neurotransmitter.



CODE NO: P-8866/22

SCHOOL OF PHARMACY

B. Pharm (Pharmacology) Semester (PC)-Sixth Exam 2022
London 2022

Subject: Internal Pharmacology-I

Time: 3 hours

Max. Marks: 75

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

1. (a) List 4 drugs used in the treatment of acute asthma.
(b) Describe the mechanism of action of inhaled corticosteroids.
2. (a) Discuss the pharmacology of anti-emetic drugs.
(b) Describe the mechanism of action of anti-emetic drugs.
3. (a) Discuss the pharmacology of anti-hypertensive drugs.
(b) Discuss the mechanism of action of anti-hypertensive drugs.
4. (a) Discuss the pharmacology of anti-diabetic drugs.
(b) Discuss the mechanism of action of anti-diabetic drugs.
5. (a) Discuss the pharmacology of anti-cancer drugs.
(b) Discuss the mechanism of action of anti-cancer drugs.
6. (a) Discuss the pharmacology of anti-infective drugs.
(b) Discuss the mechanism of action of anti-infective drugs.
7. (a) Discuss the pharmacology of anti-psychotic drugs.
(b) Discuss the mechanism of action of anti-psychotic drugs.
8. (a) Discuss the pharmacology of anti-depressant drugs.
(b) Discuss the mechanism of action of anti-depressant drugs.



FACULTY OF PHARMACY

B. Pharmacy (Pharmacology) I - Semester (POU Backlog Examination)
Examination year

Subject: Pharmacological and Toxicological Screening Methods - I

Time: 3 hour

Roll. No.: ()

Note: - Answer any five questions, all questions carry equal marks.

1. (a) Describe a test to screen patients for chronic arsenicosis to get TDT-ASA question.
(b) Discuss the clinical management of acute arsenic poisoning.
2. Discuss the use of the method suitable to screen patients suffering from chronic arsenicosis in the screening of toxicology.
3. Describe in detail a method for screening of the following diseases of a patient:
(a) Schistosomiasis
(b) Malaria
4. Explain the use of the method suitable for screening of patients suffering from chronic arsenicosis to get TDT-ASA question and the screening of arsenicosis.
5. Discuss the use of TDT-ASA question for screening of patients suffering from arsenicosis.
6. Discuss the use of TDT-ASA question for screening of patients suffering from arsenicosis.
7. Discuss the use of TDT-ASA question for screening of patients suffering from arsenicosis.
8. Discuss the use of TDT-ASA question for screening of patients suffering from arsenicosis.



Ref: 5-2024-01

FACULTY OF PHARMACY

B. Pharmacy – Semester 2 (40% Theory & 60% Practical)
Examination: May 2025

Subject: Basic Pharmaceutical Analytical Techniques

Time: 1 hour

Max. Marks: 70

Note: Answer any two questions

(10 marks for each)

1. (a) Explain the principle of colorimetry. (10 marks)
(b) Explain the principle of titrimetry. (10 marks)
2. (a) Explain the principle of gravimetry. (10 marks)
(b) Explain the principle of volumetry. (10 marks)
3. (a) Explain the principle of potentiometry. (10 marks)
(b) Explain the principle of conductimetry. (10 marks)
4. (a) Explain the principle of spectrophotometry. (10 marks)
(b) Explain the principle of chromatography. (10 marks)
5. (a) Explain the principle of mass spectrometry. (10 marks)
(b) Explain the principle of gas chromatography. (10 marks)
6. (a) Explain the principle of infrared spectroscopy. (10 marks)
(b) Explain the principle of ultraviolet spectroscopy. (10 marks)
7. (a) Explain the principle of nuclear magnetic resonance spectroscopy. (10 marks)
(b) Explain the principle of X-ray diffraction. (10 marks)
8. (a) Explain the principle of electron microscopy. (10 marks)
(b) Explain the principle of scanning electron microscopy. (10 marks)



Date: 5/22/69

FACULTY OF BUSINESS

J. Pharm. Med. (1986) **3**, 107-112

Table 1. Datura and Nicotinic Pharmacology

References

THE NEW D

NOTE: answers are on the next page

APPENDIX 1

- ask FDI to drive the domestic economy. All economic development will be enabled.
 - Declares actual benefits and outcomes.
- ask FDI to self-regulate. FDI is needed to develop sustainable economic growth.
 - offer hosts more jobs, GDP, technology transfer.
- Lefts a good image. FDI is a long-term investment in the country with several options.
- ask FDI to support the national and DDI economy.
 - offer an image of a country that is open to FDI, a country that is
- ask DDI to be more aware of DDI. DDI is a long-term investment in the country.
 - ask DDI to be more aware of DDI. DDI is a long-term investment in the country.
- Offer an image of a country that is open to FDI, a country that is
- ask DDI to be more aware of DDI. DDI is a long-term investment in the country.
 - ask DDI to be more aware of DDI. DDI is a long-term investment in the country.
- ask DDI to be more aware of DDI. DDI is a long-term investment in the country.
 - ask DDI to be more aware of DDI. DDI is a long-term investment in the country.



Date: 05-2023

FACULTY OF PHARMACY

**M. Pharmacy (Pharmacology) / Semester: VIIA / Min 4 Crediting Examination,
May 2023**

Subject: Pharmacology and Therapeutics / Learning Outcome: - I

Total: 3 Hours

Max. Marks: 75

Total: answer any five questions

(2 x 15 = 30 Marks)

1. (a) List 04 anti-infective agents and explain their mechanism.
(b) Select 02 drugs from the following and explain their mechanism of action.
(i) Chloramphenicol (ii) Gentamicin (iii) Streptomycin (iv) Vancomycin
2. Explain the mechanism of action for the following drugs.
(a) Penicillin (b) Tetracycline (c) Erythromycin
3. Describe the pharmacological actions of the following:
(a) Salicylates (b) NSAIDs (c) Paracetamol
4. Define the term: (a) Therapeutic index (b) Safety margin (c) Margin of safety (d) Therapeutic window (e) Therapeutic range (f) Therapeutic index (g) Therapeutic window (h) Therapeutic range (i) Therapeutic index (j) Therapeutic window (k) Therapeutic range (l) Therapeutic index (m) Therapeutic window (n) Therapeutic range (o) Therapeutic index (p) Therapeutic window (q) Therapeutic range (r) Therapeutic index (s) Therapeutic window (t) Therapeutic range (u) Therapeutic index (v) Therapeutic window (w) Therapeutic range (x) Therapeutic index (y) Therapeutic window (z) Therapeutic range
5. Explain the mechanism of action of the following drugs:
(a) Salicylates (b) NSAIDs (c) Paracetamol (d) Aspirin (e) Ibuprofen (f) Naproxen (g) Celecoxib (h) Etoricoxib (i) Acetaminophen (j) Paracetamol (k) Aspirin (l) Ibuprofen (m) Naproxen (n) Celecoxib (o) Etoricoxib (p) Acetaminophen (q) Paracetamol (r) Aspirin (s) Ibuprofen (t) Naproxen (u) Celecoxib (v) Etoricoxib (w) Acetaminophen (x) Paracetamol (y) Aspirin (z) Ibuprofen
6. Describe the pharmacological actions of the following drugs:
(a) Salicylates (b) NSAIDs (c) Paracetamol (d) Aspirin (e) Ibuprofen (f) Naproxen (g) Celecoxib (h) Etoricoxib (i) Acetaminophen (j) Paracetamol (k) Aspirin (l) Ibuprofen (m) Naproxen (n) Celecoxib (o) Etoricoxib (p) Acetaminophen (q) Paracetamol (r) Aspirin (s) Ibuprofen (t) Naproxen (u) Celecoxib (v) Etoricoxib (w) Acetaminophen (x) Paracetamol (y) Aspirin (z) Ibuprofen



2019-2020

Pharmacy (PharmD) - 2019-2020

1. Name: Pharmacy - 2019-2020 (PharmD) - 2019-2020

2019-2020

2. Name: Pharmacy - 2019-2020

3. Name: Pharmacy

4. Name: Pharmacy

5. Name: Pharmacy

6. Name: Pharmacy

1. (a) Define the term "pharmacy" and its role in the health care system.
2. (a) Define the term "pharmacy" and its role in the health care system.
3. (a) Define the term "pharmacy" and its role in the health care system.
4. (a) Define the term "pharmacy" and its role in the health care system.
5. (a) Define the term "pharmacy" and its role in the health care system.
6. (a) Define the term "pharmacy" and its role in the health care system.
7. (a) Define the term "pharmacy" and its role in the health care system.
8. (a) Define the term "pharmacy" and its role in the health care system.



Exam for 2020-21

FFD, J17 OF PHARMACY

B. Pharmacy I Semester / 2020 March Examination, Semester 2020
(COMMON TO ALL)

Subject: Modern Pharmaceutics / Analytical Technology

Time: 2 hours

Max. marks: 50

Notes: Take up any three questions. All questions carry equal marks.

(2.5 = 1 mark)

1. a) Draw and explain flow chart for the: Add a type of the compendial test: **PHASE**
b) Explain the importance of the following: **PHASE**
2. a) Explain the principle and applications of **FTIR** in the analysis of drugs.
b) Explain the uses of the **FTIR**.
c) Explain the **FTIR** spectrum of the following: **Phenol** and **Phenol**.
3. a) Explain the principle of **Thermogravimetric Analysis** in the analysis of drugs.
b) Explain the **Thermogravimetric Analysis** of the following: **Phenol**.
4. a) Explain the principle and applications of the **FTIR**.
b) Explain the **FTIR** spectrum of the following: **Phenol** and **Phenol**.
5. a) Explain the principle and applications of the **FTIR**.
b) Explain the **FTIR** spectrum of the following: **Phenol** and **Phenol**.
6. a) Explain the principle and applications of the **FTIR**.
b) Explain the **FTIR** spectrum of the following: **Phenol** and **Phenol**.
7. a) Explain the principle and applications of the **FTIR**.
b) Explain the **FTIR** spectrum of the following: **Phenol** and **Phenol**.
8. a) Explain the principle and applications of the **FTIR**.
b) Explain the **FTIR** spectrum of the following: **Phenol** and **Phenol**.



(Date: 14/11/2022)

POSTGRADUATE DIPLOMA

**B. Pharmacy (Pharmaceutics) - Scheme (P) (12 Units) - Examination
December 2022**

Subject: Pharmaceutics and Technological Supporting Services - I

Time: 1 Hour

Max. Marks: 75

**Mode: Answer six (6) questions. All questions carry equal marks.
(12 x 6 = 72 marks)**

1. (a) Define a pharmaceutical preparation for external use and give four examples.
(b) Define truly sterile and aseptic techniques of aseptic technique.
2. List an antineoplastic, antidiabetic, antihypertensive, and a sedative drug.
(a) Drug in antineoplastic
(b) antidiabetic
(c) antihypertensive
(d) sedative
3. Explain the following: (a) Drug delivery system (b) Drug delivery system (c) Drug delivery system (d) Drug delivery system
4. Explain the following: (a) Drug delivery system (b) Drug delivery system (c) Drug delivery system (d) Drug delivery system
5. Explain the following: (a) Drug delivery system (b) Drug delivery system (c) Drug delivery system (d) Drug delivery system
6. Explain the following: (a) Drug delivery system (b) Drug delivery system (c) Drug delivery system (d) Drug delivery system
7. Explain the following: (a) Drug delivery system (b) Drug delivery system (c) Drug delivery system (d) Drug delivery system
8. Explain the following: (a) Drug delivery system (b) Drug delivery system (c) Drug delivery system (d) Drug delivery system
9. Explain the following: (a) Drug delivery system (b) Drug delivery system (c) Drug delivery system (d) Drug delivery system
10. Explain the following: (a) Drug delivery system (b) Drug delivery system (c) Drug delivery system (d) Drug delivery system



Page No. 00000000

PHOETYPING SEMINAR?

B. Pharmacy (Pharmaceutics) Semester IV (B.Ph.)
Examination December 2021

Subject: Advanced Pharmaceutics-I

Time: 3 Hours

Max. Marks: 70

Notes: Answer any three questions. All questions carry equal marks.
 (10 x 10 = 100)

1. (a) Define the term "Pharmaceutics".
 (b) Describe the role of Pharmaceutics in the development of a drug.
2. (a) Define the term "Pharmaceutical Technology".
 (b) Explain the role of Pharmaceutics in the development of a drug.
3. (a) Define the term "Pharmaceutical Engineering".
 (b) Explain the role of Pharmaceutics in the development of a drug.
4. (a) Define the term "Pharmaceutical Science".
 (b) Explain the role of Pharmaceutics in the development of a drug.
5. (a) Define the term "Pharmaceutical Research".
 (b) Explain the role of Pharmaceutics in the development of a drug.
6. (a) Define the term "Pharmaceutical Development".
 (b) Explain the role of Pharmaceutics in the development of a drug.
7. (a) Define the term "Pharmaceutical Production".
 (b) Explain the role of Pharmaceutics in the development of a drug.
8. (a) Define the term "Pharmaceutical Quality Control".
 (b) Explain the role of Pharmaceutics in the development of a drug.



TACKLE THE ENGLISH

M.Pharmacy (Pharmacology) - 4th Semester (FT) (11 Sept.)

Examination: December 2021

subject: pharmacology and its related pharmacology

Time: 1 hour

Max. Marks: 75

**Notes: Answer any five questions. All questions carry equal marks.
Please do not write anything on the back of the paper.**

1. (a) Define pharmacokinetics. (10 marks)
(b) Write the factors affecting pharmacokinetics. (10 marks)
2. (a) Define pharmacodynamics. (10 marks)
(b) Write the factors affecting pharmacodynamics. (10 marks)
3. (a) Define drug therapy. (10 marks)
(b) Write the factors affecting drug therapy. (10 marks)
4. (a) Define drug evaluation. (10 marks)
(b) Write the factors affecting drug evaluation. (10 marks)
5. (a) Define drug monitoring. (10 marks)
(b) Write the factors affecting drug monitoring. (10 marks)
6. (a) Define drug safety. (10 marks)
(b) Write the factors affecting drug safety. (10 marks)
7. (a) Define drug efficacy. (10 marks)
(b) Write the factors affecting drug efficacy. (10 marks)
8. (a) Define drug toxicity. (10 marks)
(b) Write the factors affecting drug toxicity. (10 marks)



1998年 12月 10日

PACULTY STAFF

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STIMULUS

Special: Military Recruiting / Summer Technology

Time 2.5 years

Index 104

© 2001 Blackwell Science Ltd *Journal of Internal Medicine* 250: 105–112

2016-2017

1. a) Why is the initial stage important? b) What are the main steps?
c) Briefly explain the chemical synthesis of aspirin.
2. a) Explain the chemical structure of aspirin.
b) What are the safety hazards of aspirin synthesis?
3. a) Explain the chemical structure of aspirin.
b) What are the safety hazards of aspirin synthesis?
c) List some other uses of aspirin (e.g. pain relief).
4. a) Explain the chemical structure of aspirin.
b) What are the safety hazards of aspirin synthesis?
c) What are the safety hazards of aspirin synthesis? Why is it important to wear a lab coat?
5. a) List the chemical structure of aspirin.
b) What are the safety hazards of aspirin synthesis?
6. a) Explain the chemical structure of aspirin.
b) List the safety hazards of aspirin synthesis.
7. a) Explain the chemical structure of aspirin.
b) List the safety hazards of aspirin synthesis.
8. a) Explain the chemical structure of aspirin.
b) List the safety hazards of aspirin synthesis.
9. a) Explain the chemical structure of aspirin.
b) List the safety hazards of aspirin synthesis.



UNIVERSITY OF PUNE

Faculty of Pharmacy, Graduate Program of Biotechnology, 2017

Subject: Pharmacological and Toxicological Scoring Methods - I

Time: 1 hour

Max. Marks: 25

NOTE: Answer any five questions.

Q. No. 1 to 5 are 5 marks

1. (a) Define and discuss processes and mechanisms of absorption.
(b) Discuss about the effect of various factors on rate of absorption.
2. Discuss the importance of the first order kinetics in absorption of drugs. Give the rate of absorption of drugs in different routes.
3. Discuss the primary factors for the selection of drug therapy, based on a) drug effect b) side effect c) toxicity d) drug action.
4. What is Dose-toxicity relationship? Discuss the factors which affect the toxicity of a drug. Discuss the relationship between dose and toxicity of a drug.
5. Explain the factors which affect the toxicity of a drug. Discuss the factors which affect the toxicity of a drug.
6. Define drug toxicity.
(a) Mechanism of toxicity
(b) Factors which affect toxicity
7. Discuss the factors which affect the toxicity of a drug. Discuss the factors which affect the toxicity of a drug.
8. List the factors which affect the toxicity of a drug. Discuss the factors which affect the toxicity of a drug.



Code No. 11509C1

**POSTGRADUATE
M. Pharm (Pharmaceutics) - Semester IV & Final Exam
July 2021**

Subject: Advanced Pharmaceutics-I

Time: 2 Hours

Max. Marks: 75

Note: Answer any five of the following questions.

[5 × 25 = 125 Marks]

1. (a) Write notes on drug distribution. (10M)
(b) Discuss about drug P-glycoprotein. (10M)
2. (a) Discuss about parenteral emulsion. (10M)
(b) Explain the formulation of parenteral emulsion. (10M)
3. (a) Write note on drug delivery. (10M)
(b) Write note on drug delivery. (10M)
4. (a) Write note on drug delivery. (10M)
(b) Write note on drug delivery. (10M)
5. (a) Write note on drug delivery. (10M)
(b) Write note on drug delivery. (10M)
6. (a) Write note on drug delivery. (10M)
(b) Write note on drug delivery. (10M)
7. (a) Write note on drug delivery. (10M)
(b) Write note on drug delivery. (10M)
8. (a) Write note on drug delivery. (10M)
(b) Write note on drug delivery. (10M)
9. (a) Write note on drug delivery. (10M)
(b) Write note on drug delivery. (10M)
10. (a) Write note on drug delivery. (10M)
(b) Write note on drug delivery. (10M)



Faculty of Pharmacy

**Master of Pharmacy (MPharm) 1st Year 2nd Semester Examination,
August 2019**

Subject: Cellular and Molecular Pharmacology

Time: 1 Hour

Max. Marks: 17

Note: there are two questions.

(5 x 12 = 75 Marks)

1. a) Define the properties of a cell membrane along the cell axis. (5 marks)
b) Discuss the transport mechanisms.
2. a) Define the properties of the plasma membrane. (5 marks)
b) Discuss the transport mechanisms.
3. Define the properties of the plasma membrane. (5 marks)
b) Discuss the transport mechanisms.
4. a) Define the properties of the plasma membrane. (5 marks)
b) Discuss the transport mechanisms.
5. a) Define the properties of the plasma membrane. (5 marks)
b) Discuss the transport mechanisms.
6. a) Define the properties of the plasma membrane. (5 marks)
b) Discuss the transport mechanisms.
7. a) Define the properties of the plasma membrane. (5 marks)
b) Discuss the transport mechanisms.
8. a) Define the properties of the plasma membrane. (5 marks)
b) Discuss the transport mechanisms.



UNIVERSITY OF THE SOUTH PACIFIC

100940 833841

14. Faculty of the Faculty of Education (FTE) (Open)

Academic Year 2023

Subject: General and Molecular Microbiology

Total 5 hours

Start Date: 11

End Date: 11

11:00 AM

1. The following are the main components of the cell wall of Gram-positive bacteria.
 - a. Peptidoglycan
 - b. Teichoic acid
 - c. Lipoteichoic acid
 - d. All of the above
2. The following are the main components of the cell wall of Gram-negative bacteria.
 - a. Lipopolysaccharide
 - b. Peptidoglycan
 - c. Lipoteichoic acid
 - d. All of the above
3. The following are the main components of the cell wall of Mycobacterium tuberculosis.
 - a. Mycolic acid
 - b. Peptidoglycan
 - c. Lipoteichoic acid
 - d. All of the above
4. The following are the main components of the cell wall of Chlamydia.
 - a. Lipopolysaccharide
 - b. Peptidoglycan
 - c. Lipoteichoic acid
 - d. All of the above
5. The following are the main components of the cell wall of Legionella pneumophila.
 - a. Lipopolysaccharide
 - b. Peptidoglycan
 - c. Lipoteichoic acid
 - d. All of the above
6. The following are the main components of the cell wall of Brucella abortus.
 - a. Lipopolysaccharide
 - b. Peptidoglycan
 - c. Lipoteichoic acid
 - d. All of the above
7. The following are the main components of the cell wall of Yersinia enterocolitica.
 - a. Lipopolysaccharide
 - b. Peptidoglycan
 - c. Lipoteichoic acid
 - d. All of the above



UNIVERSITY OF HUDDERSFIELD

2020-21: 6012401

10-Pharmacy (PharmD) (Hons) (4 yrs) (app)

Examination, November 2020

Subject: Pharmacology and Therapeutics (Semester 10-1)

Total 2 hours

04.10.20 20

Note: answer only 10 questions.

OFFICE: 6012401

1. a) Define **bioassay**. Name the general and individual methods.
b) Discuss **quantitation** of response and assay.
2. Name **category 1** of acute cellular reactions to drugs. Give the **cellular** and **systemic** responses and **the** **consequences** of **these** reactions.
3. Describe the **physiological** processes **involved** in **drug** **absorption**.
a) **absorption**
b) **metabolism**
4. Discuss the **effects** of **drugs** **on** **the** **cardiovascular** **system**.
5. Define **anesthetics**. Give **examples** of **anesthetics** and **describe** **their** **effect** **on** **the** **system**.
6. Define **analgesics**. Give **the** **mechanism** **of** **action** **of** **analgesics** and **describe** **the** **effect** **on** **the** **system** **of** **analgesics**.
7. Discuss the **effects** of **drugs** **on** **the** **cardiovascular** **system**.
8. Define **hypertension**. Give **the** **mechanism** **of** **action** **of** **hypertension** and **describe** **the** **effect** **on** **the** **system** **of** **hypertension**.



FACULTY OF PHARMACY

at: Pharmacy 1: introduce your pharmacy education, January 2024
(Common Paper for all Exam Training Periods)

Subject: Modern Pharmaceutical Marketing Techniques

Time: 1 hour

Max Marks: 75

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1. a) Discuss the impact of digital marketing on the pharmaceutical industry. (20 marks)
b) Evaluate the effectiveness of social media in promoting pharmaceutical products. (10 marks)
c) Identify a key challenge in digital marketing for pharmaceuticals. (5 marks)
2. a) Explain the purpose of a marketing strategy in the pharmaceutical industry. (10 marks)
b) Discuss the importance of a marketing mix in the pharmaceutical industry. (10 marks)
3. a) Explain the concept of a marketing plan in the pharmaceutical industry. (10 marks)
b) Identify a key element of a marketing plan in the pharmaceutical industry. (5 marks)
c) Discuss the importance of a marketing plan in the pharmaceutical industry. (10 marks)
4. a) Explain the concept of a marketing mix in the pharmaceutical industry. (10 marks)
b) Identify a key element of a marketing mix in the pharmaceutical industry. (5 marks)
c) Discuss the importance of a marketing mix in the pharmaceutical industry. (10 marks)
5. a) Explain the concept of a marketing mix in the pharmaceutical industry. (10 marks)
b) Identify a key element of a marketing mix in the pharmaceutical industry. (5 marks)
c) Discuss the importance of a marketing mix in the pharmaceutical industry. (10 marks)
6. a) Explain the concept of a marketing mix in the pharmaceutical industry. (10 marks)
b) Identify a key element of a marketing mix in the pharmaceutical industry. (5 marks)
c) Discuss the importance of a marketing mix in the pharmaceutical industry. (10 marks)
7. a) Explain the concept of a marketing mix in the pharmaceutical industry. (10 marks)
b) Identify a key element of a marketing mix in the pharmaceutical industry. (5 marks)
c) Discuss the importance of a marketing mix in the pharmaceutical industry. (10 marks)
8. a) Explain the concept of a marketing mix in the pharmaceutical industry. (10 marks)
b) Identify a key element of a marketing mix in the pharmaceutical industry. (5 marks)
c) Discuss the importance of a marketing mix in the pharmaceutical industry. (10 marks)

TACTIC OF THERAPY

in pharmacy pharmacology - medicine part - final & security examination
January 2020

code 20170402

subject: advanced pharmacology

Time: 2 Hours

Max Marks: 75

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

1. a) Define action of loop diuretics. (10)
b) Describe its clinical uses in chronic heart failure. (10)
2. a) Define the pharmacology of salbutamol. (10)
b) Explain its mechanism of action of bronchodilation. (10)
3. a) Describe the mechanism of action of oral contraceptives. (10)
b) Write its side effects. (10)
4. a) Define the mechanism of action of the pharmacology of nifedipine. (10)
b) Write its side effects. (10)
5. a) Define the mechanism of action of nifedipine. (10)
b) Write its side effects. (10)
6. a) Define the mechanism of action of nifedipine. (10)
b) Write its side effects. (10)
7. a) Define the mechanism of action of nifedipine. (10)
b) Write its side effects. (10)
8. a) Define the mechanism of action of nifedipine. (10)
b) Write its side effects. (10)
9. a) Define the mechanism of action of nifedipine. (10)
b) Write its side effects. (10)
10. a) Define the mechanism of action of nifedipine. (10)
b) Write its side effects. (10)



FACULTY OF PHARMACY

Pharmaceutical Science BA (Hons) / BSc (Hons) / MSc (Hons) / PhD
 Accredited, award 713

Subject: Cellular Pharmacology: A practical approach

Time: 2 Hours

Max Marks: 60

Read, answer any five questions. All questions carry equal marks.

1. a. Define the term 'cellular pharmacology' (10 marks) 10
- b. Explain the other elements of pharmacology in which cellular pharmacology is a sub-discipline. (10 marks) 10
2. a. Explain the relationship between all of the central elements of a signal transduction pathway of a receptor. (10 marks) 10
- b. How is a signal transduction pathway altered in disease? (10 marks) 10
3. a. Explain the role of GPCR in the regulation of cellular signalling. (10 marks) 10
- b. How is a GPCR altered in disease? (10 marks) 10
4. a. Explain the role of the cell cycle in the regulation of cellular signalling. (10 marks) 10
- b. Explain the role of the cell cycle in the regulation of cellular signalling. (10 marks) 10
5. a. Explain the role of the cell cycle in the regulation of cellular signalling. (10 marks) 10
- b. Explain the role of the cell cycle in the regulation of cellular signalling. (10 marks) 10
6. a. Explain the role of the cell cycle in the regulation of cellular signalling. (10 marks) 10
- b. Explain the role of the cell cycle in the regulation of cellular signalling. (10 marks) 10



FDC TYPE 4-80M2?

M. Pharmacy (Pharmacy) 1 - January/2018 Supply Distribution, Sep. 2018

Exhibit 1: Module 1: Medicines Management

Page 2 (Page 2)

Date: 10/09/18

NOTE: Answering the questions in question 12 only is not enough

1. A patient has been prescribed a drug that is a known inhibitor of coagulation. 10
- a) Explain to the patient the risk of bleeding. 10
2. A patient is prescribed a drug that is a known inhibitor of coagulation. 10
- a) Explain to the patient the risk of bleeding. 10
3. A patient is prescribed a drug that is a known inhibitor of coagulation. 10
- a) Explain to the patient the risk of bleeding. 10
4. A patient is prescribed a drug that is a known inhibitor of coagulation. 10
- a) Explain to the patient the risk of bleeding. 10
5. A patient is prescribed a drug that is a known inhibitor of coagulation. 10
- a) Explain to the patient the risk of bleeding. 10
6. A patient is prescribed a drug that is a known inhibitor of coagulation. 10
- a) Explain to the patient the risk of bleeding. 10
7. A patient is prescribed a drug that is a known inhibitor of coagulation. 10
- a) Explain to the patient the risk of bleeding. 10
8. A patient is prescribed a drug that is a known inhibitor of coagulation. 10
- a) Explain to the patient the risk of bleeding. 10
9. A patient is prescribed a drug that is a known inhibitor of coagulation. 10
- a) Explain to the patient the risk of bleeding. 10
10. A patient is prescribed a drug that is a known inhibitor of coagulation. 10
- a) Explain to the patient the risk of bleeding. 10



Code No: CH-908

IDENTIFYING A SOURCE

M. Pharmacy Pharmacology - Harvard (PC) School of Graduate Arts & Sciences
www.harvardpharm.org

Editorial Board

Author's Note

Source: Bureau of Economic Analysis. *U.S. National Income and Product Accounts*.

1. a) Alfred has lost his dog.
 - i) Describe how he is feeling.
2. a) David has been involved in an accident.
 - i) Describe how he is feeling.
3. a) David is a physically fit person.
 - i) Describe how he is feeling.
4. a) David is a healthy person.
 - i) Describe how he is feeling.
5. a) David is a healthy person.
 - i) Describe how he is feeling.
6. a) David is a healthy person.
 - i) Describe how he is feeling.
7. a) David is a healthy person.
 - i) Describe how he is feeling.
8. a) David is a healthy person.
 - i) Describe how he is feeling.
9. a) David is a healthy person.
 - i) Describe how he is feeling.



CODE NO: 11110101

PROTYPE EXAM?**II. Pharmacy Pharmacology I – January 2023 (Open Distribution) Aug 2023****Subject: Pharmacology and Pharmacology: Assessment Methods****Time: 1 hour****Full Marks: 10****Note: Answer any five questions. All questions carry equal marks**

1. (i) Define and discuss the principles of drug action. (10 marks)
- (ii) Discuss the role of the receptor in drug action. (10 marks)
2. (i) Discuss the role of the receptor in drug action. (10 marks)
- (ii) Discuss the role of the receptor in drug action. (10 marks)
3. (i) Discuss the role of the receptor in drug action. (10 marks)
- (ii) Discuss the role of the receptor in drug action. (10 marks)
4. (i) Discuss the role of the receptor in drug action. (10 marks)
- (ii) Discuss the role of the receptor in drug action. (10 marks)
5. (i) Discuss the role of the receptor in drug action. (10 marks)
- (ii) Discuss the role of the receptor in drug action. (10 marks)
6. (i) Discuss the role of the receptor in drug action. (10 marks)
- (ii) Discuss the role of the receptor in drug action. (10 marks)
7. (i) Discuss the role of the receptor in drug action. (10 marks)
- (ii) Discuss the role of the receptor in drug action. (10 marks)
8. (i) Discuss the role of the receptor in drug action. (10 marks)
- (ii) Discuss the role of the receptor in drug action. (10 marks)
9. (i) Discuss the role of the receptor in drug action. (10 marks)
- (ii) Discuss the role of the receptor in drug action. (10 marks)
10. (i) Discuss the role of the receptor in drug action. (10 marks)
- (ii) Discuss the role of the receptor in drug action. (10 marks)



UOW 2020-21 Academic Year

Faculty of Science and Technology

18. Pharmacy Control Paper for all Specialisations 1 – Sample

Year 4 End-of-Term Exam: January 2021

Subject: 60007 PHARMACEUTICAL ANALYSIS & TECHNIQUES

TIME: 2 hours

MAX. MARKS: 70

Note: Answer parts A and Questions 10-20. Do not do any Case Study.

- | | |
|---|---|
| 1. a) Define and explain the term: "matrix effect in chromatography". | 2 |
| b) Briefly explain why this can be a problem in HPLC analysis. | 2 |
| 11. a) Explain the term: "effluent standard frequency". | 5 |
| b) Explain the meaning of the term: "effluent standard". | 2 |
| 12. a) Define the term: "frequency of use". | 2 |
| b) Define the term: "frequency of use". | 2 |
| 13. a) Define the term: "frequency of use". | 2 |
| b) Define the term: "frequency of use". | 2 |
| 14. a) Define the term: "frequency of use". | 2 |
| b) Define the term: "frequency of use". | 2 |
| 15. a) Define the term: "frequency of use". | 2 |
| b) Define the term: "frequency of use". | 2 |
| 16. a) Define the term: "frequency of use". | 2 |
| b) Define the term: "frequency of use". | 2 |
| 17. a) Define the term: "frequency of use". | 2 |
| b) Define the term: "frequency of use". | 2 |
| 18. a) Define the term: "frequency of use". | 2 |
| b) Define the term: "frequency of use". | 2 |
| 19. a) Define the term: "frequency of use". | 2 |
| b) Define the term: "frequency of use". | 2 |
| 20. a) Define the term: "frequency of use". | 2 |
| b) Define the term: "frequency of use". | 2 |

FACULTY OF PHARMACY

B. Pharmacy (Pharmacology) - Semester-IV (I) & Backlog Examination
January 2018

Subject: Clinical and Systemic Pharmacology

Time: 3 hours

Max. Marks: 80

NOTE: Answer any five questions and questions carry equal marks

- | | |
|---|--------|
| 1. a) Explain mechanism of action of subcutaneous antiparasitic drugs.
b) Explain mechanism of action of ivermectin. | 6
7 |
| 2. a) Explain the role of antiparasitic drugs in the treatment of malaria.
b) Explain the role of antiparasitic drugs in the treatment of leishmaniasis. | 6
7 |
| 3. Explain the role of antiparasitic drugs in the treatment of schistosomiasis. (10) | 10 |
| 4. a) Explain the mechanism of action of antiparasitic drugs.
b) Explain the role of antiparasitic drugs in the treatment of malaria. | 6
7 |
| 5. a) Explain the mechanism of action of antiparasitic drugs.
b) Explain the role of antiparasitic drugs in the treatment of leishmaniasis. | 6
7 |
| 6. a) Explain the mechanism of action of antiparasitic drugs.
b) Explain the role of antiparasitic drugs in the treatment of malaria. | 6
7 |
| 7. a) Explain the mechanism of action of antiparasitic drugs.
b) Explain the role of antiparasitic drugs in the treatment of leishmaniasis. | 6
7 |
| 8. a) Explain the mechanism of action of antiparasitic drugs.
b) Explain the role of antiparasitic drugs in the treatment of malaria. | 6
7 |



PALEO-ANTHROPOLOGY **of Man and Primatology - Includes the study of human evolution** **and primatology**

Human Primatology: The study of human evolution - I

Time 2 Hours

Maximum 100

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

1. Discuss the role of the following in the study of human evolution: (10)
 (a) Primatology
 (b) Anthropology
2. List the characteristics of the following hominids: (10)
 (a) Hominids
 (b) Hominids
3. Discuss the role of the following in the study of human evolution: (10)
 (a) Primatology
 (b) Anthropology
4. Discuss the role of the following in the study of human evolution: (10)
 (a) Primatology
 (b) Anthropology
5. Discuss the role of the following in the study of human evolution: (10)
 (a) Primatology
 (b) Anthropology
6. Discuss the role of the following in the study of human evolution: (10)
 (a) Primatology
 (b) Anthropology
7. Discuss the role of the following in the study of human evolution: (10)
 (a) Primatology
 (b) Anthropology
8. Discuss the role of the following in the study of human evolution: (10)
 (a) Primatology
 (b) Anthropology



Code No. 185APC

HONOURS PHARMACY**B Pharmacy (Pharmacy) – Semester VII (Hon.) Spring Examination – January 2019****Subject: Advanced Pharmacology****Time: 3 hours****Full Marks: 75****Write short answer type questions. All questions carry equal marks.**

- | | |
|---|---|
| 1. a) Write down the mechanism of action of metoprolol. | 1 |
| b) Write down the mechanism of action of fentanyl. | 1 |
| 2. a) Give the mechanism of action of morphine. | 1 |
| b) Write down the mechanism of action of morphine. | 1 |
| 3. a) Give the mechanism of action of morphine. | 1 |
| b) Write down the mechanism of action of morphine. | 1 |
| 4. a) Give the mechanism of action of morphine. | 1 |
| b) Write down the mechanism of action of morphine. | 1 |
| 5. a) Give the mechanism of action of morphine. | 1 |
| b) Write down the mechanism of action of morphine. | 1 |
| 6. a) Give the mechanism of action of morphine. | 1 |
| b) Write down the mechanism of action of morphine. | 1 |
| 7. a) Give the mechanism of action of morphine. | 1 |
| b) Write down the mechanism of action of morphine. | 1 |
| 8. a) Give the mechanism of action of morphine. | 1 |
| b) Write down the mechanism of action of morphine. | 1 |
| 9. a) Give the mechanism of action of morphine. | 1 |
| b) Write down the mechanism of action of morphine. | 1 |
| 10. a) Give the mechanism of action of morphine. | 1 |
| b) Write down the mechanism of action of morphine. | 1 |

FACULTY OF PHARMACY

Exam No. 078971

4. Pharmacy Council for Sri Lanka (PCCSL) (PCCSL) (PCCSL) Subject: 101

Subject: Modern Pharmaceutical Analysis / Techniques

Time: 2 hours

Max. Marks: 75

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

1. (a) Discuss the importance of dissolution of active ingredients with a few illustrations. (10)
- (b) Which methods are used to determine the rate of dissolution? (10)
2. (a) Discuss factors that affect the rate of dissolution of a solid dosage form. (10)
- (b) Discuss the factors that affect the rate of dissolution of a solid dosage form. (10)
3. (a) Discuss the factors that affect the rate of dissolution of a solid dosage form. (10)
- (b) Discuss the factors that affect the rate of dissolution of a solid dosage form. (10)
4. (a) Discuss the factors that affect the rate of dissolution of a solid dosage form. (10)
- (b) Discuss the factors that affect the rate of dissolution of a solid dosage form. (10)
5. (a) Discuss the factors that affect the rate of dissolution of a solid dosage form. (10)
- (b) Discuss the factors that affect the rate of dissolution of a solid dosage form. (10)
6. (a) Discuss the factors that affect the rate of dissolution of a solid dosage form. (10)
- (b) Discuss the factors that affect the rate of dissolution of a solid dosage form. (10)
7. (a) Discuss the factors that affect the rate of dissolution of a solid dosage form. (10)
- (b) Discuss the factors that affect the rate of dissolution of a solid dosage form. (10)
8. (a) Discuss the factors that affect the rate of dissolution of a solid dosage form. (10)
- (b) Discuss the factors that affect the rate of dissolution of a solid dosage form. (10)

FACULTY OF PHARMACY

SEM III (2020)

in Human Immunology (Semester III) paper I (written)
subject :-

Subject: Human Immunology-I

TIME: 3 hours

DATE: 2020-21

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

1. a) What is role of immunoglobulin in humoral immunity? (4)
b) Describe in detail about T-Cell-Helper T-cells.
2. a) Discuss the humoral immunity of antibodies.
b) Explain in detail about MHC.
3. a) Describe the structure and function of the T-lymphocyte. (4)
b) What is the role of T-lymphocyte?
4. a) Describe the structure and function of the B-lymphocyte. (4)
b) What is the role of B-lymphocyte?
5. a) Describe the structure and function of the T-lymphocyte. (4)
b) What is the role of T-lymphocyte?
6. a) Describe the structure and function of the T-lymphocyte. (4)
b) What is the role of T-lymphocyte?
7. a) Describe the structure and function of the T-lymphocyte. (4)
b) What is the role of T-lymphocyte?
8. a) Describe the structure and function of the T-lymphocyte. (4)
b) What is the role of T-lymphocyte?

FACULTY OF PHARMACY

B. Pharmacy (Pharmaceutics) Semester IV (a) Exam: February 2021

Subject: Pharmaceutics and Technology: Formulation-I

Time: 3 hours

Roll No.: 72

Note: answer any four questions. In questions carry equal marks

1. Discuss the various types of emulsions and their applications in pharmaceuticals. (10)
2. Explain the following terms: (10)
 - (a) emulsion
 - (b) emulsifier
3. Discuss the following: (10)
 - (a) advantages of emulsion over other dosage forms
 - (b) factors affecting stability of emulsion
4. Explain the following: (10)
 - (a) factors affecting stability of emulsion
 - (b) factors affecting stability of emulsion
5. Explain the following: (10)
 - (a) factors affecting stability of emulsion
 - (b) factors affecting stability of emulsion
6. Explain the following: (10)
 - (a) factors affecting stability of emulsion
 - (b) factors affecting stability of emulsion
7. Explain the following: (10)
 - (a) factors affecting stability of emulsion
 - (b) factors affecting stability of emulsion
8. Explain the following: (10)
 - (a) factors affecting stability of emulsion
 - (b) factors affecting stability of emulsion



11/11/2022

24/11/2022

MINISTRY OF HEALTH & FAMILY WELFARE

GOVERNMENT OF INDIA
MINISTRY OF HEALTH & FAMILY WELFARE

Department of Health and Family Welfare

24/11/2022

1. To the Secretary, Department of Health and Family Welfare,

2. To the Secretary, Department of Health and Family Welfare,
3. To the Secretary, Department of Health and Family Welfare,
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25. To the Secretary, Department of Health and Family Welfare,
26. To the Secretary, Department of Health and Family Welfare,
27. To the Secretary, Department of Health and Family Welfare,

28/11/2022



UNIVERSITY OF SYDNEY

A. Financial Management & Strategy (FINM2001) - 2022-23

Subject: Financial Management & Strategy - Semester 1, 2022

Page 1 of 1

Page 1 of 1

QUESTION 1: FINANCIAL MANAGEMENT & STRATEGY (FINM2001)

1. A company is considering a project with the following cash flows:
(1000) at time 0, 1000 at time 1, 1000 at time 2.
The company's cost of capital is 10%. What is the NPV of the project?
a) 1000
b) 1000
c) 1000
d) 1000
2. A company is considering a project with the following cash flows:
(1000) at time 0, 1000 at time 1, 1000 at time 2.
The company's cost of capital is 10%. What is the NPV of the project?
a) 1000
b) 1000
c) 1000
d) 1000
3. A company is considering a project with the following cash flows:
(1000) at time 0, 1000 at time 1, 1000 at time 2.
The company's cost of capital is 10%. What is the NPV of the project?
a) 1000
b) 1000
c) 1000
d) 1000
4. A company is considering a project with the following cash flows:
(1000) at time 0, 1000 at time 1, 1000 at time 2.
The company's cost of capital is 10%. What is the NPV of the project?
a) 1000
b) 1000
c) 1000
d) 1000
5. A company is considering a project with the following cash flows:
(1000) at time 0, 1000 at time 1, 1000 at time 2.
The company's cost of capital is 10%. What is the NPV of the project?
a) 1000
b) 1000
c) 1000
d) 1000
6. A company is considering a project with the following cash flows:
(1000) at time 0, 1000 at time 1, 1000 at time 2.
The company's cost of capital is 10%. What is the NPV of the project?
a) 1000
b) 1000
c) 1000
d) 1000
7. A company is considering a project with the following cash flows:
(1000) at time 0, 1000 at time 1, 1000 at time 2.
The company's cost of capital is 10%. What is the NPV of the project?
a) 1000
b) 1000
c) 1000
d) 1000
8. A company is considering a project with the following cash flows:
(1000) at time 0, 1000 at time 1, 1000 at time 2.
The company's cost of capital is 10%. What is the NPV of the project?
a) 1000
b) 1000
c) 1000
d) 1000

SECURITY OF INFORMATION

2023-24 (14040)

© Treasury (Information Security) and the Information Security (IS) Act
 (Information Security Act)

Page 1 of 1

Page 1 of 1

1. The Information Security Act (IS Act) is a law that...

1. The Information Security Act (IS Act) is a law that... (1)
2. The Information Security Act (IS Act) is a law that... (1)
3. The Information Security Act (IS Act) is a law that... (1)
4. The Information Security Act (IS Act) is a law that... (1)
5. The Information Security Act (IS Act) is a law that... (1)
6. The Information Security Act (IS Act) is a law that... (1)
7. The Information Security Act (IS Act) is a law that... (1)
8. The Information Security Act (IS Act) is a law that... (1)
9. The Information Security Act (IS Act) is a law that... (1)
10. The Information Security Act (IS Act) is a law that... (1)



UNIVERSITY OF SYDNEY

2022-2023

A. FINANCIAL MANAGEMENT 1 (FINM1001) AND 2 (FINM2002) COURSE

Capital Investment Decision-Making

Date: _____

Semester: _____

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

- | | |
|---|----|
| 1. (a) Describe the changes in the treatment of project investments in the UK tax system. | 10 |
| (b) What is a corporation? | 10 |
| 2. (a) Explain the concept of a 'tax shield' in the context of capital investment. | 10 |
| (b) Explain the concept of a 'tax credit'. | 10 |
| 3. (a) Explain the concept of a 'tax loss' in the context of capital investment. | 10 |
| (b) Explain the concept of a 'tax gain'. | 10 |
| 4. (a) Explain the concept of a 'tax deferral' in the context of capital investment. | 10 |
| (b) Explain the concept of a 'tax acceleration'. | 10 |
| 5. (a) Explain the concept of a 'tax avoidance' in the context of capital investment. | 10 |
| (b) Explain the concept of a 'tax evasion'. | 10 |
| 6. (a) Explain the concept of a 'tax shelter' in the context of capital investment. | 10 |
| (b) Explain the concept of a 'tax haven'. | 10 |