

Pharma. D (6 YDC) II - Year (Main & Backlog) Examination, August 2025
Subject: Pharmaceutical Microbiology

Max. Marks: 70

(10 x 2 = 20 Marks)

1. Define bacteriostatic and bactericidal agents with examples
2. List out suitable examples for gram positive and gram negative organisms
3. Define immunity and active immunity
4. Write a note on phagocytosis
5. Describe about sterilization by radiation
6. Write about spirochetes
7. Write causative factors and symptoms of syphilis
8. Define differential media
9. Write a note on the structure of antibody
10. Explain the importance of microbiological assay

(5 x 10 = 50 Marks)

11. Discuss the sterility testing of pharmaceutical preparations
12. Define antigen and antibody. Explain precipitation and agglutination reactions?
13. Explain various methods for isolation of pure cultures?
14. Describe any two methods for evaluation of disinfectants?
15. Write a short note on Montaux test and ELISA technique.
16. Explain different types of media.
17. Explain about microbiological assay of Vitamin B12 according to I.P.
18. Write a note on pathogenesis, lab diagnosis, treatment and prevention of
 - a) Hepatitis
 - b) Typhoid



Code No: G-13262

FACULTY OF PHARMACY

Pharm. D (6YDC) II-Year (Main & Backlog) Examination, August 2025

Subject: Pharmacognosy and Phyto Pharmaceuticals

Time: 3 Hours

Max.Marks:70

PART – A

Note: Answer all the questions

(10 x 2 = 20 Marks)

1. Classify crude drugs with examples.
2. Define alkaloids and Resins with examples.
3. Define the term Acid value and Iodine value.
4. Difference between organized and unorganized drugs.
5. What are artificial pesticides give some examples.
6. Write Van Urks and Salkowski tests.
7. Write any two identification test for tragacanth.
8. Write the difference between fats and waxes.
9. Write BS and uses of Hemp.
10. Write Powder microscopy of Ephedra.

PART – B

Note: Answer any five questions.

(5 x 10 = 50 Marks)

11. (a) Define adulteration? Explain in detail about the types of adulteration with examples. (7)
(b) Write BS, preparation and uses of absorbent cotton. (3)
12. Write a note on Collection, processing and storage of crude drugs. (10)
13. Write the Pharmacognostic study of Cod liver oil and Shark liver oil. (5+5)
14. Give the general microscopical characters and powder microscopy of Clove flower bud with neat labeled diagrams? (10)
15. Define and classify Lipids with examples? Write a note on various methods of extraction of fixed oils. (10)
16. Write biological source, chemical constituents and uses of Cotton, Pectin, Bees wax and Derrin. (10)
17. (a) What are Surgical dressings. Classify with examples. (5)
(b) Write BS, preparation and uses of Streptokinase and Urokinase enzymes? (5)
18. Write a note on
(a) Polyploidy. (5)
(b) Chemical and Pharmacological classification of Crude drugs. (5)





Code No. G-13263

FACULTY OF PHARMACY

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

Subject: Pharmacology - I

Time: 3 Hours

Max. Marks: 70

PART - A

Note: Answer all the questions.

(10 x 2 = 20 Marks)

1. Write about Phase II reactions
2. Explain the terms a) Mutagenicity b) Teratogenicity?
3. Write the actions of acetylcholine on heart and salivary glands
4. Explain the mechanism of action of Phenobarbitone
5. Add a note on mucolytic agents
6. Explain the Demerits of parenteral route of drug administration?
7. Write briefly on Oral contraceptives
8. Classify Antiparkinsonim drugs
9. Explain the therapeutic uses of ACE inhibitors
10. Write the MOA of lidocaine

PART - B

Note: Answer any five questions.

(5 x 10 = 50 Marks)

11. Classify receptors? Explain in detail about G protein coupled receptors and Enzyme linked receptors?
12. Classify Para-sympathomimetics with examples. Write the pharmacological actions and therapeutic uses of Acetylcholine?
13. Classify Anti-hypertensive agents? Write in detail pharmacology of any two classes of drugs?
14. Classify Antiepileptic agents? Explain the mechanism of action, therapeutic drugs and adverse effects of sodium valproate and Phenytoin.
15. Classify drugs used for bronchial asthma. Explain in detail the pharmacology of drugs used in the treatment of bronchial asthma.
16. Classify Autocoids. Write in detail the pathophysiological role of histamine. Write the clinical uses of Anti-Histamines.
17. a) Write the synthesis and regulation of thyroid hormones.
b) Write about Nasal decongestants.
18. a) What are opioid analgesics? Classify with examples. Write the pharmacological actions of morphine
b) Write a note on cognition enhance





Code No. G-13264

FACULTY OF PHARMACY
Pharma. D (6 YDC) II - Year (Main & Backlog) Examination, August 2025
Subject: Community Pharmacy

Time: 3 Hours

Max. Marks: 70

PART - A

Note: Answer all the questions.

(10 x 2 = 20 Marks)

1. Define Balance diet. Write the composition of Balance diet.
2. List out the various factors to be considered during selection of appropriate site for community pharmacy.
3. Define health screening services. Write its importance.
4. Write a note on opportunistic infections in AIDS.
5. Write the importance of coding and stocking in community pharmacy.
6. Define patient medication adherence.
7. Define the term lead time and safety stock.
8. Write the WHO definition of health.
9. Write the drug therapy for worm infestation.
10. Define OTC drugs. Give any two examples.

PART - B

Note: Answer any five questions.

(5 x 10 = 50 Marks)

11. (a) Describe the role and responsibilities of community pharmacist.
(b) Write the staff required in community pharmacy.
12. (a) Define Inventory control. Write about ABC and VED Analysis.
(b) Explain the role of pharmacist in family planning.
13. Discuss the causative agents, clinical presentations and prevention of
(i) Malaria (ii) Typhoid.
14. Define prescription. Write the parts of prescription in detail.
15. Write the pathophysiology and drug therapy for the following:
(i) Nausea and vomiting (ii) Constipation.
16. (a) Define Rational drug therapy (DU). Explain the role of pharmacist in improving RDU.
(b) Add a note on various registers used in community pharmacy management.
17. Write in detail about care of geriatric patients.
18. (a) Define and describe various factors affecting medication adherence.
(b) Write about the screening of BP.

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Code No: G-13265

FACULTY OF PHARMACY

Pharm. D (6 YDC) II - Year (Main & Backlog) Examination, September 2025

Subject: Pharmacotherapeutics – I

Time: 3 Hours

Max.Marks:70

PART – A

Note: Answer all the questions

(10 x 2 = 20 Marks)

1. Define HRT and its significance.
2. Define Hypertensive Urgency and Hypertensive Emergency.
3. Enlist the various complications associated with the use of oral contraceptives.
4. Define teratogenicity? Give examples of teratogens.
5. Discuss the difference between Chronic Bronchitis and Emphysema based on clinical manifestations.
6. Write the dosage regimen of any two statins with their adverse effects.
7. What are the diagnostic tests for Glaucoma?
8. Write the treatment algorithm for NSTEMI. Mention the investigations performed to confirm the diagnosis of heart failure.
9. Differentiate between Bacterial and viral conjunctivitis.
10. Define and explain different phases of ECG with a neat labelled diagram.

PART – B

Note: Answer any five questions.

(5 x 10 = 50 Marks)

11. Discuss the aetiology, clinical features, and management in the therapy of Asthma.
12. Explain etiopathogenesis and management of Myocardial Infarction.
13. Compare and contrast Type 1 and Type 2 diabetes presentation, onset, progression, and pathophysiology and pharmacotherapy.
14. What is Hyperlipidaemia? Write the pharmacological treatment for Hyperlipidaemia.
15. (a) Explain the role of inotropic agents in the treatment of congestive heart failure.
(b) Explain anti-resorptive therapy in osteoporosis.
16. (a) Write a brief note on Beer's criteria for prescribing geriatric population.
(b) Define Congestive cardiac failure. Discuss etiopathogenesis of CCF.
17. (a) Explain the pharmacokinetics of drug therapy and the general principle involved in pregnancy therapy in detail.
(b) Explain the role of the pharmacist in the rational use of drugs.
18. (a) Explain different types of arrhythmia.
(b) Write a short note on thyroid inhibitors.

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Code No: G-13260

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

Subject: Pathophysiology

Time: 3 Hours

Max.Marks:70

PART – A

Note: Answer all the questions

(10 x 2 = 20 Marks)

1. Write the factors influencing healing of wounds. (2)
2. List the abnormalities of lipoproteinemia. (2)
3. Mention the different biological effects of radiation. (2)
4. Write the symptoms of Leprosy. (2)
5. Define and classify hypertension. (2)
6. Differentiate between T cell and B cell. (2)
7. Name the nutritional diseases associated with deficiency of vitamins. (2)
8. Classify different types of Hypersensitivity reactions. (2)
9. Mention different types of Hepatitis. (2)
10. Write about the components of immune system. (2)

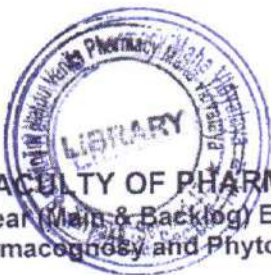
PART – B

Note: Answer any five questions.

(5 x 10 = 50 Marks)

11. Describe the structure of MHC (Major Histocompatibility complex) with a neat labelled diagram. (10)
12. Discuss the pathogenesis of Parkinsonism. (10)
13. Discuss the pathogenesis of Acute inflammation. (10)
14. (a) Classify different types of Shock. (3)
(b) Explain Etiopathogenesis of shock. (7)
15. Discuss the pathophysiology of tuberculosis. (10)
16. Explain the Etiopathogenesis of Asthma. (10)
17. (a) What are sexually transmitted diseases (3)
(b) Explain the pathophysiology of AIDS. (7)
18. Explain the Etiology and pathophysiology of cancer. (10)





Code No. F-7292

FACULTY OF PHARMACY
Pharma. D (6 YDC) II - Year (Main & Backlog) Examination, September 2024
Subject: Pharmacognosy and Phyto Pharmaceuticals

Time: 3 Hours

Max. Marks: 70

PART - A

Note: Answer all the questions.

(10 x 2 = 20 Marks)

1. Mention some applications of ethylene?
2. What are natural pesticides give some examples.
3. Mention two tests for identification of Pericyclic fibres.
4. Write BS and uses of Pectin.
5. What are Cell constituents give some examples.
6. What are Saponins, Write two identification tests.
7. Write any two identification test for Honey.
8. What are ash values and write their importance?
9. What are secretory substances add some examples?
10. Write about killer Killani test and Super critical fluid extraction.

PART - B

Note: Answer any five questions.

(5 x 10 = 50 Marks)

11. Write the biological Source, chemical constituents, identification tests and uses Agar and Starch.
12. What are the different classes of secondary metabolites and add a detailed note on tannins, with one crude drug.
13. Define Classification. Explain in detail about the various types of classification of crude drugs.
14. Explain the microscopical features and powder microscopy of Fennel fruit with neat labeled diagrams.
15. (a) Write pharmacognostic study of absorbent cotton. [6 Marks]
(b) Write the chemical test for Honey and Gelatin. [4 Marks]
16. (a) Compare & contrast volatile oils and fixed oils with examples. [5 Marks]
(b) Mention factors affecting the cultivation of medicinal plants. [5 Marks]
17. Define Drug evaluation. Explain in detail about morphological and Pharmacological evaluation.
18. (a) Explain in detail about the methods and factors for cultivation of Senna and Dioscorea. [7 Marks]
(b) Write a short note on natural pesticides. [3 Marks]
