

QP Code:

Reg. No.:.....

Second Year Pharm. D Degree Examinations

(Model Question Paper - New Pattern)

PATHOPHYSIOLOGY

Time: 3 hrs

Max. Marks: 70

- *Answer all questions*
- *Draw diagram wherever necessary*

Essays:

(3x10=30)

1. Explain about the pathogenesis and morphology of cell injury.
2. Discuss the different mediators of inflammation. Briefly outline the process of repair.
3. Explain about the etiology and pathogenesis of cancer

Short notes

(8x5=40)

4. Pathophysiology of Parkinson's disease.
5. Stages of shock.
6. Explain mechanism of autoimmunity.
7. Etiology and pathogenesis of acute renal failure.
8. Hypersensitivity reactions.
9. Urinary tract infection
10. Glycogen storage diseases.
11. Explain the metastasis of cancer.

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Second Year Pharm. D Degree Examinations

(Model Question Paper - New Pattern)

PHARMACEUTICAL MICROBIOLOGY

Time: 3 hrs

Max. Marks: 70

- *Answer all questions*
- *Draw diagram wherever necessary*

Essays:

(3x10=30)

1. Explain the structure of bacteria with a neat labeled diagram.
2. Define sterilization. Briefly explain about heat method of sterilization.
3. Discuss the different antigen – antibody reactions with applications.

Short notes

(8x5=40)

4. Various staining techniques.
5. Standardization of vaccines.
6. Structure and classification of immunoglobulin.
7. Western blot test.
8. Various methods for evaluating disinfectants.
9. Sterility testing of pharmaceutical preparations.
10. Official methods used for the microbiological assay of antibiotics.
11. Tuberculosis.

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Second Year Pharm. D Degree Examinations

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PHARMACOGNOSY & PHYTOPHARMACEUTICALS

Time: 3 hrs

Max. Marks: 70

- *Answer all questions*
- *Draw diagram wherever necessary*

Essays:

(3x10=30)

1. Discuss in detail about various classifications of crude drugs with suitable examples.
2. Define and classify proteins. Explain in detail about methods of analysis of proteins.
3. Define and classify volatile oils. Discuss in detail about any four methods of extraction of volatile oil from plants.

Short notes

(8x5=40)

4. History of pharmacognosy.
5. Explain about various cell inclusions.
6. Explain the method of preparation, identification tests for absorbent cotton.
7. Different methods of adulteration of crude drugs.
8. List out various methods of drying of crude drugs.
9. Preparation of medicinal castor oil.
10. Compare acacia and tragacanth.
11. Natural pest control agents.

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Second Year Pharm. D Degree Examinations

(Model Question Paper - New Pattern)

PHARMACOLOGY- I

Time: 3 hrs

Max. Marks: 70

- *Answer all questions*
- *Draw diagram wherever necessary*

Essays:

(3x10=30)

1. Define drug absorption. Explain in detail about the factors affecting the drug absorption.
2. Classify the drugs used in the treatment of congestive heart failure. Explain in detail about the mechanism of action, pharmacological effects and therapeutic uses of digoxin.
3. Define schizophrenia. Classify antipsychotics and explain the general mechanism of action of antipsychotics with its adverse effects and therapeutic uses.

Short notes

(8x5=40)

4. Various routes of drug administration
5. Clopidogrel
6. Classify NSAID'S and explain about the mechanism of action of celecoxib.
7. Explain about thyroxine biosynthesis and replacement therapy.
8. Beta blockers
9. Histamine [H₁] - receptor antagonists
10. Organophosphorous compound poisoning
11. Pharmacology of loop diuretics.

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Second Year Pharm. D Degree Examinations

(Model Question Paper - New Pattern)

COMMUNITY PHARMACY

Time: 3 hrs

Max. Marks: 70

- *Answer all questions*
- *Draw diagram wherever necessary*

Essays:

(3x10=30)

1. Define medication adherence. Discuss in detail the factors affecting and role of pharmacists in improving medication adherence
2. Define community pharmacy. What are the roles and responsibilities of community pharmacists.
3. Define patient counseling. Explain in detail about the various stages involved in patient counseling.

Short notes

(8x5=40)

4. Clinical presentation and prevention of hepatitis
5. Guidelines for rational prescribing
6. Role of pharmacists in family planning
7. Pathophysiology and drug therapy of GI disturbances
8. Explain the selection of site, space layout and design of community pharmacy.
9. Functions of pharmaceutical care
10. Health screening techniques of cholesterol testing.
11. Explain about various methods of inventory control.

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Second Year Pharm. D Degree Examinations

(Model Question Paper - New Pattern)

PHARMACOTHERAPEUTICS - I

Time: 3 hrs

Max. Marks: 70

- *Answer all questions*
- *Draw diagram wherever necessary*

Essays:

(3x10=30)

1. Describe the pathophysiology and therapeutic management of congestive heart failure.
2. Explain the pathophysiology and therapeutics management of diabetes mellitus.
3. Define asthma. Explain the etiology, clinical manifestation and therapeutic management of Asthma.

Short notes

(8x5=40)

4. Pharmacological and non pharmacological approach in the management of hypertension.
5. Bacteria conjunctivitis.
6. Explain the various etiological factor and management of osteoporosis.
7. Drugs induced pulmonary diseases.
8. Complications of diabetes mellitus.
9. Role of pharmacist in rational use of drug concept.
10. General prescribing guidelines for pediatrics.
11. Hormonal replacement therapy.
