

QP Code:

Reg. No.:.....

Fourth Year Pharm. D Degree Examinations

(Model Question Paper)

Pharmacotherapeutics - III

Time: 3 hrs

Max. Marks: 70

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

Essays:

(3x10=30)

1. Explain the symptoms, pathophysiology and treatment of depression.
2. Classify epilepsy. Describe the pharmacotherapeutic management of partial seizures and status epilepticus.
3. Classify anemia. Explain the symptoms and pharmacotherapeutic management of microcytic anemias.

Short notes

(8x5=40)

4. Describe the etiology and treatment of hepatitis A and hepatitis B infection.
5. Explain the pathways of pain. Add a note on WHO pain management ladder.
6. Explain the pharmacotherapeutic management of H. Pylori infected peptic ulcer.
7. Enumerate evidence based medicine.
8. Explain the symptoms and therapeutic management of schizophrenia.
9. Explain the symptoms, diagnosis and therapeutic management of ulcerative colitis.
10. Drug induced blood disorders.
11. Describe the pharmacotherapeutic management of migraine.

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Fourth Year Pharm. D Degree Examinations

(Model Question Paper)

Hospital Pharmacy

Time: 3 hrs

Max. Marks: 70

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

Essays:

(3x10=30)

1. Explain the organization, working and role of pharmacy and therapeutic committee in hospital.
2. Describe different drug distribution systems for in-patients.
3. Classify hospitals and explain its organization and functions.

Short notes

(8x5=40)

4. ABC analysis
5. Role of infection committee in hospitals
6. Procurement of drugs and pharmaceuticals
7. Continuing professional development programme
8. Role of pharmacist in central sterile supply services
9. Radio pharmaceuticals
10. Hospital formulary
11. Professional relations of hospital pharmacist with other healthcare workers

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Fourth Year Pharm. D Degree Examinations

(Model Question Paper)

Clinical Pharmacy

Time: 3 hrs

Max. Marks: 70

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

Essays:

(3x10=30)

1. Define drug information and what are the different sources. Explain in detail about the establishment of a DIC and systematic approach in answering the query.
2. Define adverse drug reactions and classify it. Explain the mechanism and predisposing factors of ADR. Add a note on role of pharmacist in the management of it.
3. Explain in detail about medication errors and its proper management.

Short notes

(8x5=40)

4. Ward round participation.
5. Development and scope of clinical pharmacy.
6. Thyroid function tests.
7. Patient counselling.
8. Pharmaceutical care.
9. Drug utilisation evaluation.
10. Critical evaluation of literatures.
11. Abbreviation and terminologies in clinical practice

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Fourth Year Pharm. D Degree Examinations

(Model Question Paper)

Biostatistics & Research Methodology

Time: 3 hrs

Max. Marks: 70

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

Essays:

(3x10=30)

1. Explain types of clinical study design in detail
2. Explain analysis of variance in detail
3. Elaborate on report writing and presentation of data

Short notes

(8x5=40)

4. case studies
5. Level of significance
6. Non-parametric tests
7. Advantages of computerized medication order entry
8. Correlation and regression
9. Use of statistical software in drug research
10. Mann Whitney U test
11. Drug information retrieval and storage

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Fourth Year Pharm. D Degree Examinations

(Model Question Paper)

Biopharmaceutics & Pharmacokinetics

Time: 3 hrs

Max. Marks: 70

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

Essays:

(3x10=30)

1. Derive an expression for calculating various pharmacokinetic parameters for a drug administered by IV bolus administration confers on the body two compartment model
2. Define bioequivalence. Discuss the protocol for single dose bioequivalence studies.
3. Define non linear pharmacokinetics. What are the causes for the non linearity. Discuss any two methods for the estimation of K_m and V_{max} .

Short notes

(8x5=40)

4. Mean residence time
5. Physiological barriers to drug distribution.
6. Factors affecting protein binding
7. Apparent volume of distribution and its significance.
8. Differentiate passive diffusion and active transport
9. Methods of assessment of bioavailability
10. Discuss the method of finding out absorption rate constant by method of residuals.
11. Explain why a protein bound drug is both pharmacokinetically as well as pharmacodynamically inert

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Fourth Year Pharm. D Degree Examinations

(Model Question Paper)

Clinical Toxicology

Time: 3 hrs

Max. Marks: 70

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

Essays:

(3x10=30)

1. Explain the general principles of management of poisoning.
2. Discuss the clinical effects and management of poisonous snake bites in detail.
3. Explain in detail about organophosphorous poisoning

Short notes

(8x5=40)

4. Paracetamol poisoning
5. Explain the chronic effects and management of mercury poisoning
6. Mushroom poisoning
7. Explain the toxic effects and treatment of dependence of tobacco
8. Opioid poisoning
9. Clinical symptoms and management of acute benzodiazepine poisoning
10. Methanol poisoning
11. Explain antidotes with examples
