

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary. Answer all questions

**LONG ESSAY (Answer any TWO)**

**2 X 20 = 40 Marks**

1. Define and explain the principles of pharmaceutical care. Explain the role of clinical pharmacy services in achieving the objectives of pharmaceutical care
2. Explain the laboratory test required to confirm the Myocardial Infarction and Acute Renal Failure.
3. Define and explain the objectives of pharmacovigilance? Explain the WHO and Naranjo' Scale used to assess the causality of an adverse drug reaction.

**SHORT ESSAY (Answer any FIVE)**

**5 X 10 = 50 Marks**

4. Write objectives and procedure of medication history interview
5. Establishing a drug information centre
6. Explain the patient counseling techniques
7. Objectives of post marketing surveillance studies
8. Microbiological culture sensitivity tests
9. Drug clearance and hepatic extraction ratio

**SHORT NOTES**

**2 X 5 = 10 Marks**

10. Non parametric statistical tests
11. List the different liver function tests with their reference range

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**LONG ESSAY (Answer any TWO)**

**2 X 20 = 40 Marks**

1. Write the clinical features, diagnosis and management of essential hypertension. Discuss the various counseling points for hypertensive patients.
2. Write in detail the general prescribing guidelines for pediatric and geriatric patients.
3. Define Psoriasis. Discuss the types and management of psoriasis.

**SHORT ESSAY (Answer any FIVE)**

**5 X 10 = 50 Marks**

4. Iron deficiency anemia
5. Syphilis
6. Pathogenesis of Rheumatoid arthritis
7. Management of drug induced thrombocytopenia
8. Viral hepatitis
9. Trigeminal neuralgia

**SHORT NOTES**

**2 X 5 = 10 Marks**

10. Role of pharmacist in rational drug use
11. Discuss the pathophysiology of Asthma

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1. Discuss the pathophysiology and pharmacotherapy of epilepsy. Write a note on commonly used starting and maintenance doses of antiepileptic drugs. Explain pharmacokinetics of antiepileptic drugs
2. Discuss hematological malignancies in detail
3. Explain renal dialysis and transplantation in detail. Add a note on drugs induced renal diseases

**SHORT ESSAY (Answer any FIVE)**

**5 X 10 = 50 Marks**

4. Write the general principles of management of epilepsy. Add a note on choice of antiepileptic drugs
5. Explain treatment of lower and upper urinary tract infections
6. Discuss the management of osteoporosis
7. Write notes on hormone replacement therapy
8. Describe the pharmacotherapy of drug induced psychosis
9. Differentiate between type 1 and type 2 diabetes

**SHORT NOTES**

**2 X 5 = 10 Marks**

10. Discuss pharmacotherapy of Helmenthiasis
11. Write notes on Eye infections

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**LONG ESSAY (Answer any TWO)**

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1. Define pharmacy and Therapeutics committee (PTC). Explain the composition objectives and functions of PTC
2. Classify different methods of drug distribution in the hospital with their merits and demerits
3. Define and write the advantages of pharmacoepidemiology? Explain the objectives and procedures of drug utilization review and metaanalysis

**SHORT ESSAY (Answer any FIVE)**

**5 X 10 = 50 Marks**

4. Organizational structure of hospital pharmacy
5. Hospital formulary
6. Composition and functions of Institutional Ethical committee
7. Counseling points for various OTC medications in community pharmacies
8. Manufacturing of large volume parenterals
9. Site selection and infrastructural requirements to start community pharmacy

**SHORT NOTES**

**2 X 5 = 10 Marks**

10. Cost minimization analysis
11. First aid

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