

QP Code: 101112

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Pharmacology
(MD) November 2025**

Paper I – General Pharmacological Principles and Applied Sciences

Time: 3 hrs

Max marks:100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay: (20)

1. Enumerate and explain the basic principles of clinical pharmacokinetics and its role in rationalizing drug therapy

Short essays: (8x10=80)

2. Alkaloids in Therapy
3. Explain pre-synaptic receptors and enumerate the neurotransmitters that interact with pre-synaptic receptors
4. Write a note on discovery of anesthetic agents
5. Explain Chrono-pharmacology and give its clinical significance with examples
6. Dosage form and compliance in pediatrics and geriatrics
7. Explain orphan drugs and the challenges the pharmaceutical companies face in developing them
8. Explain drug synergism with suitable examples
9. Explain environmental toxicology and biomarkers
