

PG Degree Supplementary Examinations in Pharmacology (MD)
January 2024

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. Discuss the factors that modify drug action.

Short essays:

(8x10=80)

2. Concepts of loading dose and maintenance dose along with their clinical implications with suitable example.
3. G-protein coupled receptors and their major effector pathways.
4. Michaelis-Menten elimination.
5. Principles of drug therapy in pregnancy.
6. General principles in the treatment of a poisoned patient.
7. Chronopharmacology.
8. Pharmacokinetic drug interactions.
9. No Observed Adverse Effect Level (NOAEL).
