

Supply

Rajiv Gandhi University of Health Sciences, Karnataka
Fourth Semester B. Pharm Degree Examination – 08-May-2025

Time: Three Hours

Max. Marks: 75 Marks

PHARMACOLOGY - I

Q.P. CODE: 5016

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.
All the Questions are compulsory.

LONG ESSAYS

2 x 10 = 20 Marks

1. Explain the different preclinical evaluation phases in drug discovery.
OR
Classify sympathomimetic agents with examples. Explain the pharmacology of adrenaline.
2. Explain the steps involved in the neurohumoral transmission in the Central Nervous System.

SHORT ESSAYS

7 x 5 = 35 Marks

3. Write a note on metabolism of drugs by Phase-II reactions.
OR
Define synergism and write about time synergism.
4. Write detailed note on Drug-Drug interactions.
OR
Write the pharmacology of any one dopaminergic antagonist drug.
5. Explain the pharmacology of reserpine.
6. What is the role of glutamate in central nervous system?
7. Write a note on pre-anaesthetic medication.
8. Classify psychopharmacological agents with examples.
9. Explain pharmacology of barbiturates.

SHORT ANSWERS

10 x 2 = 20 Marks

10. Explain about the first and zero order kinetics of elimination.
11. Explain tolerance and dependence with examples.
12. Write notes on Tyrosine Kinase receptors.
13. Write short notes on drug receptor interaction.
14. What are the drugs used in glaucoma?
15. What is the difference between non-depolarization and depolarization types of neuromuscular blockers?
16. Classify anti-anxiety agents with examples.
17. Classify antidepressant drugs with examples.
18. Classify skeletal muscle relaxants.
19. Classify antiepileptics with examples.
