

Rajiv Gandhi University of Health Sciences, Karnataka

Fourth Semester B. Pharm Degree Examination – 04-Nov-2024

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 membrane transport systems with examples.

OR

What are the different types of drug interactions? Explain the factors affecting the pharmacodynamic drug-drug-interactions.

2. Write the classification of parasympathomimetics. Explain the pharmacology of acetylcholine.

SHORT ESSAYS

7 x 5 = 35 Marks

3. Explain the significance of volume of distribution.

OR

What do you mean by preclinical toxicity tests? Explain the same.

4. Describe JAK-STAT receptors.

OR

Explain the pharmacology of Catechol-O-Methyl Transferase inhibitors.

5. Write a note on skeletal muscle relaxants.

6. Write the classification of general anaesthetics with examples. Explain the pharmacology of Ketamine.

7. Explain different neurotransmitters in peripheral nervous system.

8. What is the role of dopamine in central nervous system?

9. Write notes on morphine poisoning.

SHORT ANSWERS

10 x 2 = 20 Marks

10. Write short notes on physiological antagonism

11. Write notes on spare receptors.

12. Write notes on ion channel receptors.

13. Define pharmacovigilance.

14. Write about the functions of Autonomic Nervous System.

15. What are the drugs used in myasthenia gravis?

16. Write the adverse reactions of alcohol.

17. What is the significance of Disulfiram in alcohol addiction?

18. Classify anti-Parkinsonian agents with examples.

19. Classify hallucinogenic agents with examples.
