

Rajiv Gandhi University of Health Sciences, Karnataka

Fourth Semester B. Pharm Degree Examination – 22-Jun-2022

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. What are ion channel receptors? Explain their transduction mechanism.

OR

What are the non-selective beta blockers? Explain the pharmacology of any one non-selective β blocker.

2. Classify anti epileptics with examples. Explain the pharmacology of phenytoin.

SHORT ESSAYS

7 x 5 = 35 Marks

3. Write about the enzyme induction and inhibition with examples.

OR

Write a note on metabolism of drugs by Phase-I reactions.

4. Explain the pharmacodynamic drug-drug interactions.

OR

What are the different steps involved in drug discovery?

5. Write the pharmacology of dopamine.
6. Write the pharmacology of physostigmine.
7. Explain the pharmacology of any one of the benzodiazepines.
8. Explain the pharmacology of any one of the centrally acting muscle relaxants.
9. Explain about drug tolerance.

SHORT ANSWERS

10 x 2 = 20 Marks

10. Write notes on idiosyncrasy.
11. Define bioavailability.
12. What is the significance of therapeutic index?
13. What is dose response relationship?
14. Classify parasympathomimetic agents.
15. What are the drugs used in glaucoma?
16. Which drugs are used as preanaesthetic agents?
17. What is the mechanism of action of Disulfiram?
18. What is drug addiction?
19. Classify opioid analgesics with examples.
