

Rajiv Gandhi University of Health Sciences, Karnataka

Fourth Semester B. Pharm Degree Examination – JUNE-2019

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

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Explain about different routes of drug administration.
2. Write the principle and mechanism of drug action.
3. Describe the neurohumoral transmission with examples.

SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. What do you mean by competitive antagonism?
5. Explain the JAK-STAT binding receptor transduction mechanism.
6. What are the factors affecting the absorption of drugs?
7. Explain the pharmacology of MAO inhibitors.
8. Explain the organization of the autonomic nervous system.
9. Write the mechanism of action and pharmacology of sodium valproate.
10. Write the pharmacology of gabapentin.
11. Write brief notes on antagonistic drugs of morphine.
12. What is the role of serotonin in central nervous system?

SHORT ANSWERS (Answer All)

10 x 2 = 20 Marks

13. What are the different types of signal transduction mechanism?
14. What do you mean by drug receptor interactions?
15. What is the significance of therapeutic index?
16. What are the combined effects of drugs?
17. Enlist the neurotransmitters in Central Nervous System.
18. How the sympathomimetic agents are classified?
19. What are the adverse reactions of barbiturates?
20. Classify the muscle relaxants with examples.
21. Define the drug tolerance.
22. What are the withdrawal symptoms of anti-depressants?
