

Rajiv Gandhi University of Health Sciences, Karnataka

Fourth Semester B. Pharm Degree Examination – 10-Dec-2020

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. Describe signal transduction mechanism. Explain in details regulation of receptor and JAK-STAT binding receptor. (3+3+4)
2. What are Parasympatholytic? Write the classification of Parasympatholytic? Explain pharmacology of atropine. (1+4+5)
3. Explain neurohumoral transmission in the CNS. Explain the importance of dopamine and GABA. (4+6)

SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. Explain agonist and antagonist with examples.
5. Short note on ion channel receptors with examples.
6. Explain pharmacology of atenolol.
7. What are classification of neurotransmitters? Explain co-transmission with examples.
8. Explain the principles and mechanism of drug action.
9. Write the classification of general anaesthetics with examples and stages of Anaesthesia.
10. Mechanism of action of phenytoin and its ADR.
11. Define clinical trial. What are the different phases in clinical trials?
12. What are the different natural source of drugs?

SHORT ANSWERS (Answer All)

10 x 2 = 20 Marks

13. Enlist drugs used in Parkinsons disease.
14. What are drugs used in Alzheimer's disease.
15. What is myasthenia gravis? Give the drugs used in its treatment.
16. What are the therapeutic uses of sedative and hypnotics?
17. Define tolerance and dependence.
18. Write the classification of anti-anxiety agents.
19. Examples of Opioid Analgesics?
20. What is the significance of pharmacovigilance?
21. Write about methyl alcohol poisoning.
22. Write the uses of sympatholytics.
