

# Rajiv Gandhi University of Health Sciences, Karnataka

## Fourth Semester B. Pharm Degree Examination – 16-Jan-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. What are types of receptors? Explain in detail G-protein coupled receptors and ion channel receptor. (3+7)
2. What are parasympathomimetics? Classify parasympathomimetics. Explain in detail any one parasympathomimetics. (1+2+7)
3. What is epilepsy? Classify anti-epileptics. Explain in detail pharmacology of phenytoin. (1+2+7)

**SHORT ESSAYS (Answer any Seven)****7 x 5 = 35 Marks**

4. Explain different nature and source of drugs with examples.
5. Classify route of drug administration. Explain merits and demerit of parenteral routes of drug administration.
6. What are drug interactions? Explain in detail pharmacokinetic drug interactions.
7. Explain in detail about clinical trials.
8. Classify neuromuscular blocking agents. Add a note on any one agent.
9. Explain neurohumoral transmission with note on co-transmission.
10. Explain in detail stages of general anesthesia.
11. Short note on CNS stimulants.
12. Explain in detail opioid analgesics.

**SHORT ANSWERS (Answer All)****10 x 2 = 20 Marks**

13. What is drug addiction and drug dependence?
14. Write merits and demerits of rectal routes of drug administration.
15. What are pharmacodynamic drug interactions? Give examples.
16. What is Pharmacovigilance?
17. Write the classification of antidepressants with examples.
18. Enlist drugs used in treatment of myasthenia gravis and glaucoma.
19. Write about Disulfiram.
20. Drugs used in Antipsychotics.
21. Enlist the drugs used in Parkinsons disease.
22. Give the examples of short acting barbiturates with their uses.

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