



## Rajiv Gandhi University of Health Sciences, Karnataka

### II Year Pharm-D Degree Examination – 20-Jan-2020

**Time: Three Hours****Max. Marks: 70 Marks****PHARMACOLOGY – I (RS & RS2)****Q.P. CODE: 2859**

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. Classify antidepressants with examples. Explain the MOA, pharmacological actions and clinical uses of fluoxetine
2. Classify anticonvulsants. Write the mechanism of action and pharmacological actions of phenytoin
3. Classify anti-arrhythmic drugs. Explain membrane stabilizing agents.

**SHORT ESSAYS (Answer any six)****6 x 5 = 30 Marks**

4. Write a note on G-protein coupled receptors
5. Explain the pharmacology of atorvastatin
6. Classify drugs used in bronchial asthma. Add a note on terbutaline
7. Define bioavailability. Explain the factors affecting bioavailability.
8. Explain the mechanism of action and adverse effects of oral contraceptives
9. Explain the mechanism of action and therapeutic uses of salicylates
10. Classify local anaesthetics. Explain the pharmacology of lignocaine.
11. Write any two clinical uses of prostaglandins.

**SHORT ANSWERS****10 x 2 = 20 Marks**

12. What is synergism? Give one example.
13. Name four non-sedative antihistaminics
14. Treatment of pesticide poisoning
15. What is the benefit of administration of adrenaline along with local anesthetics
16. Name four minor tranquilizers
17. Write the mechanism of action of acarbose
18. Define apparent volume of distribution
19. Write two adverse effects and uses of codeine
20. What is extrapyramidal side effect?
21. Define tolerance. Give an example.

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