

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**III Semester Bachelor of Occupational Therapy Degree Examination – 30-May-2025**

**Time: Three Hours**

**Max. Marks: 100**

**PHARMACOLOGY (OS/RS)**

**Q.P. CODE: 3423**

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 antiviral agents with examples. Write the mechanism of action, adverse reactions and therapeutic uses of acyclovir.
2. What are general anaesthetics? Classify them with examples, write the pharmacology of Halothane.
3. Classify adrenergic agents. Write the pharmacology of adrenaline.

**SHORT ESSAYS (Answer any Ten)**

**10 x 5 = 50 Marks**

4. Write different routes of administration along with their merits & demerits.
5. Classify skeletal muscle relaxants. Write a note on Succinylcholine.
6. Write a note on atropine.
7. Briefly explain first pass metabolism.
8. Classify diuretics with examples and write therapeutic uses of Mannitol
9. Enlist proton pump inhibitors. Write the pharmacology of omeprazole.
10. Explain the pharmacology of Aspirin.
11. Write the pharmacology of Domperidone.
12. Write the mechanism of action and uses of sulfonamides.
13. Classify Immuno-stimulants with examples. Write the pharmacology of interferon.
14. Classify Local Anaesthetics. Describe the pharmacology of Procaine.
15. Classify antimalarials with examples.

**SHORT ANSWERS (Answer any Ten)**

**10 x 3 = 30 Marks**

16. Define Drug dependence & Drug abuse.
17. Enlist cholinergic receptors.
18. Define Placebo Therapy.
19. Merits & Demerits of nasal route of administration
20. Mechanism of Organophosphates.
21. Mechanism of losartan.
22. Classify Opioid antagonists with example.
23. Clinical uses of montelukast.
24. Enlist insulin preparations.
25. Define & classify Vaccines.
26. Define and classify the autotoxins with one example?
27. Clinical uses of H<sub>2</sub> antihistaminics

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