# Rajiv Gandhi University of Health Sciences, Karnataka

**II Year B.Sc. Allied Health Sciences Degree Examination – 31-Oct-2026**

**Time: Three Hours** **Max. Marks: 100**

## APPLIED PHARMACOLOGY (RS-3)

**(Anaesthesia Technology and Operation Technology)**

## Q.P. CODE: 3406

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary

**LONG ESSAYS (Question No.2 Choice)** **2 x 10 = 20 Marks**

1. Classify antihypertensive drugs. Write in detail about the mechanism of action, uses and adverse effects of ACE inhibitors
2. Classify antitubercular drugs. Describe mechanism of action, uses and adverse effects of Rifampicin

   **OR**

   Define local anesthesia. Classify them. Write in detail about the mechanism of action and uses of ligocaine

**SHORT ESSAYS (Question No.5 & 10 choice)** **10 x 5 = 50 Marks**

3. Compare and contrast morphine and pethidine
4. Compare and contrast barbiturates and benzodiazepines
5. Therapeutic uses of nitrates

   **OR**

   Teratogenicity
6. IV general anesthetics
7. Mannitol
8. Atorvastalin
9. Uses of beta blockers
10. Drugs synergism

    **OR**

    Treatment of paracetamol poisoning
11. Uses of skeletal muscle relaxants
12. Streptokinase

**SHORT ANSWER (Question No. 15 & 20 choice)** **10 x 3 = 30 Marks**

13. Three adverse effects of aminoglycosides
14. Three drugs used in bronchial asthma
15. Why ethyl alcohol is used in methyl alcohol poisoning?

    **OR**

    Name three antihistaminic dugs
16. Three uses of Prazosin
17. Why ACE inhibitors should not be combined with K + sparing diuretics?
18. Name three immunosuppressive agents
19. Sublingual route
20. Mention three IV fluids

    **OR**

    Define prodrug. Give two examples
21. Name three inotropic agents
22. Adverse effects of ketamine

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