

Rajiv Gandhi University of Health Sciences, Karnataka
II Year B.Sc. Respiratory Care Technology Degree Examination – 04-Nov-2025

Time: Three Hours

Max. Marks: 100 Marks

Pharmacology (RS-3)
Q.P. CODE: 3398

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

LONG ESSAYS (Second Question Choice)

2 x 10 = 20 Marks

1. Classify penicillins. Explain their mechanism of action, uses and side effects.
2. Enumerate the different routes of drug administration. Explain the advantages and disadvantages of intravenous routes of drug administration.

OR

Classify antianginal drugs. Write the therapeutic uses and adverse effects of organic nitrates.

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Loop diuretics.
4. Heparin.
5. Sympathetic inotropic agents.

OR

- Cephalosporins.
6. ACE inhibitors.
 7. Hypnotics.
 8. Cough suppressants.
 9. Rifampicin.
 10. Warfarin.
- OR**
- Mucolytic agents.
11. Lignocaine.
 12. Uses and adverse effects of Corticosteroids.

SHORT ANSWER

10 x 3 = 30 Marks

13. Uses of aspirin.
14. Name three immunosuppressants.
15. Name three general anaesthetics.
16. Name three thrombolytic agents.
17. Name three neuromuscular blocking agents.
18. Therapeutic uses of angiotensin converting enzyme inhibitors with two examples.
19. Name three drugs used as inhalational agents.
20. Biotransformation.
21. Name three antiplatelet drugs.
22. Mention three contraindications of morphine.
