

Rajiv Gandhi University of Health Sciences, Karnataka
II Year B.Sc. Respiratory Care Technology Degree Examination – 02-Dec-2023

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. Define hypertension. Classify antihypertensives. Explain the mechanism of action, side effects and contraindications of any one calcium channel blocker.
2. Enumerate broad spectrum antibiotics. Write the therapeutic uses and adverse effects of tetracyclines.

OR

Classify antianginal drugs. Write the mechanism of action, adverse effects and contraindications of propranolol.

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Corticosteroids.
4. Third generation cephalosporins.
5. Define general anaesthetics. Classify them and explain the pharmacodynamics of inhalational anaesthetic agents.

OR

Spironolactone.

6. Write the advantages and disadvantages of oral route of administration.
7. Opioid analgesics.
8. Pharmacotherapy of cough.
9. Intramuscular route of drug administration.
10. Nitrous oxide.

OR

Bland aerosol in respiratory care.

11. Digoxin.
12. Thrombolytic agents.

SHORT ANSWER

10 x 3 = 30 Marks

13. Uses of adrenaline.
14. Name three antiarrhythmic drugs.
15. Mention three drugs used in the treatment of shock.
16. Name three H1 antihistaminic agents.
17. Classify antitubercular drugs.
18. Uses of furosemide.
19. Examples and uses of mucokinetic agents.
20. Uses of morphine.
21. What is first-pass metabolism?
22. Mechanism of action and use of Nifedipine.
