

# Rajiv Gandhi University of Health Sciences, Karnataka

## II Year B.Sc. Respiratory Care Technology Degree Examination – 28-Dec-2022

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 anti-anginal drugs. Write the mechanism of action, therapeutic uses and adverse effects of calcium channel blockers.
2. Classify corticosteroid drugs. Write their therapeutic uses and adverse effects.

**OR**

Classify penicillins. Write the mechanism of action, therapeutic uses and adverse effects of Amoxicillin.

#### SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Mention the management of morphine over dosage.
4. Mechanism of action, uses and adverse effects of Benzodiazepines.
5. Write the advantages and disadvantages of oral route of administration.

**OR**

Write the factors affecting bioavailability.

6. Mechanism of action, therapeutic uses and adverse effect of Isoniazid.
7. Measures to overcome antibiotic resistance.
8. Mechanism of action, therapeutic uses and adverse effects of Aspirin.
9. Uses and adverse effects of bland aerosols in respiratory care.
10. Mention antiplatelet drugs and their uses.

**OR**

Classify antiemetics. Write the mechanism of action and adverse effects of Metoclopramide.

11. Mechanism of action, use and adverse effects of nitrous oxide.
12. Write the uses and adverse effects of Cholramphenicol.

#### SHORT ANSWER

10 x 3 = 30 Marks

13. Mention three neuromuscular blocking drugs.
14. Name three H<sub>2</sub> blockers.
15. Treatment of Penicillin allergy.
16. Management of methanol poisoning.
17. Mention three 3<sup>rd</sup> generation cephalosporins.
18. Mention three Immunomodulator drugs.
19. Mention three cough suppressants.
20. Mention three drugs used for pharmacological Organoprotection during cardiopulmonary bypass.
21. Name three Bronchodilator.
22. What is the rationale of combining Lignocaine with adrenaline?

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