

Rajiv Gandhi University of Health Sciences, Karnataka
II Year B.Sc. Respiratory Care Technology Degree Examination – 28-Nov-2023

Time: Three Hours

Max. Marks: 100 Marks

Introduction to Respiratory Technology (RS-3)

Q.P. CODE: 3359

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. Lung expansion therapy – Indications, contraindications and complications.
2. Write a short note on Humidification, indications, types and equipments.

OR

Positive airway pressure devices.

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Endotracheal suctioning – Indication, contraindication and complication.
4. Algorithm of advanced cardiovascular life support.
5. Nebulizers – types and explain each.

OR

Intercostal drains and tubes – principle, indication and setup.

6. Chest compliance and resistance.
7. End tidal capnography.
8. Write a note on Intracorporeal membrane oxygenation.
9. Manual resuscitators – types, parts, indications and techniques.
10. Decannulation.

OR

Hazards of aerosol therapy.

11. Central venous pressure monitoring.
12. Physical oxygen analyzer.

SHORT ANSWER

10 x 3 = 30 Marks

13. Passive humidifier.
14. Oxygenation index.
15. Glasgow coma scale.
16. Lung volumes
17. General goals of airway clearance.
18. Complications of Bronchoscopy.
19. Abnormal breath sounds.
20. Hypokalemia.
21. Boyle's law and Gay-lussac's law.
22. Indications for tracheostomy.
