

# Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Respiratory Care Technology Degree Examination – 28-Nov-2024

Time: Three Hours

Max. Marks: 100 Marks

## INTRODUCTION TO RESPIRATORY CARE TECHNOLOGY (RS2)

**Q.P. CODE: 1239**

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

### LONG ESSAYS (Answer any Two)

**2 x 10 = 20 Marks**

1. Describe normal ECG – basic principles and interpretation in disease.
2. Respiratory failure – types, clinical condition and its management.
3. Oxygen therapy – protocol of oxygen therapy and briefly describe reservoir system.

### SHORT ESSAYS (Answer any Twelve)

**12 x 5 = 60 Marks**

4. Lung compliance.
5. Topography of heart.
6. Atelectasis – definition, types and management.
7. Humidity therapy and aerosol therapy.
8. Lung volume and capacity.
9. Signs and symptoms of cardiovascular system.
10. Ventilator associated pneumonia – definition and its management.
11. Indication, contraindications and hazards of spirometry.
12. Types of respiratory movement.
13. Safety precautions while handling medical gas cylinders.
14. Chest auscultation.
15. Examination of nervous system.
16. Gas laws.
17. Factors affecting communications and purpose of communication in health care setting.

### SHORT ANSWERS (Answer any Ten)

**10 x 2 = 20 Marks**

18. Functions of upper airway.
19. Bronchopulmonary segments.
20. Deep breathing exercise.
21. Flow restrictors.
22. Cyanosis.
23. Muscles involved in respiration.
24. Oxygen dissociation curve.
25. Motor power grading.
26. Blood Pressure measurement.
27. Pulse oximeter.
28. Types of lung disease.
29. Functional residual capacity.

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