

# Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Respiratory Care Technology Degree Examination - 31-Oct-2025

**Time: Three Hours**

**Max. Marks: 100**

## **Advanced Respiratory Care Technology - III (RS2)**

**Q.P. CODE: 2931**

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. Discuss home mechanical ventilation
2. Pulmonary Edema-causes and management
3. Weaning from mechanical ventilation

### **SHORT ESSAYS (Answer any Ten)**

**10 x 5 = 50 Marks**

4. Lung compliance and resistance
5. CPAP
6. Surfactant replacement therapy
7. Chest physiotherapy
8. Hyperbaric Oxygen Therapy
9. Indication of intubation in neonate
10. Respiratory failure
11. Liquid ventilation
12. Hypoxia
13. Transport during ventilation
14. Cyanotic Heart Diseases
15. Oxygen delivery devices

### **SHORT ANSWERS (Answer any Ten)**

**10 x 3 = 30 Marks**

16. Stridor
17. Phase Variable
18. Plateau pressure
19. APGAR Score
20. Oxygen Toxicity
21. Sleep Apnea
22. RSBI
23. Nasopharyngeal airway
24. Respiratory Acidosis
25. Metabolic Acidosis
26. Adrenalin
27. Intercostal drain care

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