

Rajiv Gandhi University of Health Sciences, Karnataka
III Year B.Sc. Respiratory Technology Degree Examination – 25-Nov-2024

Time: Three Hours

Max. Marks: 100 Marks

Respiratory Technology – Applied – Paper-II (RS-3)
Q.P. CODE: 3362

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. Discuss in detail about extra – pulmonary effects of mechanical ventilation
 2. Explain in detail about Ventilator – Associated event
- OR**
- Discuss in details about home – mechanical ventilation

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Air Trapping (Auto – PEEP) and its management
 4. Write a note on Positive End-Expiratory Pressure (PEEP)
 5. Explain the Ventilator strategies for COPD patients
- OR**
- Explain the patient – ventilator asynchrony in ventilator graphics
6. Explain the P-V loop and its importance
 7. Airway pressure release ventilation
 8. Electrolytic disturbances in critically ill patients
 9. Trouble shooting in mechanical ventilation
 10. Pressure control ventilation
- OR**
- Write a note on metabolic acidosis and alkalosis
11. Ventilator management in neuromuscular disorders
 12. Adaptive support ventilation

SHORT ANSWER

10 x 3 = 30 Marks

13. RSBI (Rapid Shallow breathing index)
14. Complications of artificial airway
15. Complications of bronchoscopy
16. Airway resistance monitoring
17. Mention the causes of patient in sudden distress during mechanical ventilation
18. Extubation failure
19. Respiratory failure types
20. Components of inflation pressure
21. Endotracheal cuff management
22. Discontinuation of noninvasive ventilation
