

Rajiv Gandhi University of Health Sciences, Karnataka
Third Year B.Sc. Respiratory Care Technology Degree Examination – 29-Oct-2025

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. Write in detail on effects of positive pressure ventilation on pulmonary system
2. Write a note liberation and discontinuation from mechanical ventilation

OR

Write a note on mechanism, pathophysiology, management of hypovolemic shock

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Write a note on ventilatory settings for COPD patients
 4. Write in detail on SIMV mode its indication, uses and its settings
 5. Write in detail on pulmonary mechanics
- OR**
6. Write a note PEEP, its types, indication, complications and contraindications
 7. Write a note on traumatic brain injury
 8. Write a note on cardiac tamponade
 9. Effects of mechanical ventilation on intracranial pressure and cerebral perfusion
 10. Write a note on carbon monoxide poisoning and management

OR

Write in detail in improving oxygenation on ventilator

11. Write a note on type I respiratory failure
12. Transcutaneous monitoring and its significance

SHORT ANSWER

10 x 3 = 30 Marks

13. Write a note on Holter analysis
14. Mention any three antiarrhythmic drugs
15. Write a note on ST segment
16. Goals of long-term mechanical ventilation
17. Peak inspiratory pressure
18. Types of burns
19. Central venous pressure graph
20. Sterilization of bronchoscopes
21. Hyperventilation vs hyperinflation
22. Glasgow coma scale (GCS)
