

Rajiv Gandhi University of Health Sciences, Karnataka
III Year B.Sc. Respiratory Technology Degree Examination – 27-Nov-2023

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. Modes of mechanical ventilation. Explain any three.
2. Explain extubation, equipments needed, procedure, indications and complication.

OR

Upper airway emergencies and management.

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Hypovolemic shock.
4. Prone ventilation.
5. Goals of long-term mechanical ventilation.

OR

Role of tracheostomy in weaning.

6. Cardiac tamponade and management.
7. Hazards of oxygen therapy with mechanical ventilation.
8. Capnography.
9. P-V Loop in ARDS.
10. Troubleshooting in mechanical ventilation.

OR

HFOV.

11. Management of Blunt trauma.
12. Infection control practices in Bronchosocpy.

SHORT ANSWER

10 x 3 = 30 Marks

13. Auto PEEP.
14. Indication and contraindications of NIV.
15. Muscle relaxants.
16. Chest cuirass.
17. Defibrillator.
18. Pulmonary artery catheter and insertion sites.
19. Hysteresis.
20. Indication of tracheostomy.
21. Oxygen dissociation curve.
22. Name few advanced ventilator modes.
