

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**Third Year B.Sc. Respiratory Care Technology Degree Examination – 27-Oct-2025**

**Time: Three Hours**

**Max. Marks: 100**

**Respiratory Technology – Clinical- Paper-I (RS-3)**

**Q.P. CODE: 3361**

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. Fixed and variable oxygen delivery devices
2. Clinical features and mechanism of different type of shock

**OR**

Explain in details about percutaneous tracheostomy – indications and contraindication, complications

**SHORT ESSAYS (Question No 5 & 10 choice)**

**10 x 5 = 50 Marks**

3. Brain death tests
4. Veno-venous extra corporeal membrane oxygenation
5. Mixed venous oxygen saturation
6. VAP bundle
7. Basic planning of inter and intra hospital transport of ventilated patient
8. Intercostal drainage – indication, contra indication and complication
9. Name and explain any one sedation scale in ICUs patient
10. Brain protective ventilation strategy

**OR**

- Apnea Hypopnea index
11. Polysomnography
  12. Pneumothorax – causes and management

**SHORT ANSWER**

**10 x 3 = 30 Marks**

13. Causes of type II respiratory failure
14. Indication of tracheostomy
15. Sedative in ICU
16. Advantages of close-suction
17. Complication of Bronchoscopy
18. Respiratory muscle trainers
19. Difference between pleural effusion and collapse of the lung
20. Targeted temperature management in cardiac arrest
21. Noradrenaline in septic shock
22. Post cardiac arrest care

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