Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Respiratory Technology Degree Examination – 27-Oct-2026

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. Extracorporeal life support – types, indications, monitoring and troubleshooting and management
2. Define pulmonary rehabilitation and describe various exercises in rehabilitation of patients with respiratory diseases

   OR

   Describe the sleep stages and explain briefly about polysomnography

SHORT ESSAYS (Question No 5 & 10 choice) **10 x 5 = 50 Marks**

3. Post cardiac arrest care in ICU
4. Sepsis bundle
5. Explain various steps of chest x-ray interpretation

   OR

   Central venous pressure
6. Write a note on Apnea test
7. Types of shock
8. Pulse oximeter
9. Sepsis
10. Management of OP poisoning

    OR

    Eendotracheal intubation, indication, contraindication and complications
11. List of pharmacological and non-pharmacological strategies to prevent VAP
12. Step-wise approach for ABG interpretation

SHORT ANSWER **10 x 3 = 30 Marks**

13. Sedatives in ICU
14. Eclampsia
15. Needle thoracocentesis
16. Complications of intercostal drainage insertion
17. Management of tension pneumothorax
18. Oxygen cascade
19. Anticoagulants and thrombolytics
20. Causes for type II respiratory failure
21. Brain protective ventilation strategy
22. ECG – changes in hyperkalemia

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