

Rajiv Gandhi University of Health Sciences, Karnataka
Third Year B.Sc. Respiratory Care Technology Degree Examination – 22-Nov-2024

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. Explain in details about extracorporeal life support
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. Stroke identification and emergency management

OR

Management of tension pneumothorax and cardiac tamponade

6. Tests used to evaluate brain death
7. Types of shock and management of hypovolemic shock
8. Gastrointestinal bleed
9. Explain various scenarios of trouble shooting in mechanical ventilation
10. Management in Organo Phosphate Poisoning

OR

Anion - gap

11. Haemodynamic monitoring in ICU
12. Steps wise approach for ABG interpretation

SHORT ANSWER

10 x 3 = 30 Marks

13. Importance of ETCO₂ monitoring
14. Arterial line-sites and indications
15. Acute and chronic respiratory acidosis
16. Indication of NIV
17. Importance of Intracranial pressure and cerebral perfusion in head injury patients
18. Management of distributive shock in ICU
19. Hyperkalemia
20. Ramsay's sedation scale
21. Complication of central line insertion
22. Amniotic fluid embolism
