

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**Third Year B.Sc. Respiratory Care Technology Degree Examination – 20-May-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. List the different types of shock and explain the clinical features and management of septic shock
2. Explain in details various hemodynamic assessment in critically ill patient

**OR**

Extra corporeal membrane oxygenation

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

**10 x 5 = 50 Marks**

3. Causes of metabolic acidosis
  4. Hyperkalemia – diagnosis, correction and implication in ventilated patient
  5. Explain various steps of reading chest x-ray
- OR**
- Write a note on pulmonary embolism
6. Targeted temperature management
  7. Write a note on cardiac tamponade
  8. How do you prepare the mechanical ventilated patients when its required intra hospital transportation?
  9. Role of respiratory therapy in bronchoscopy
  10. Acute coronary syndrome

**OR**

Explain the percutaneous tracheostomy

11. Muscle relaxants and its usage in ventilated patient
12. Post cardiac arrest care

**SHORT ANSWER**

**10 x 3 = 30 Marks**

13. Gastrointestinal bleed
14. Eclampsia
15. Needle thoracocentesis
16. Complications of Intercostal drainage insertion
17. Fibrinolytics
18. High flow nasal oxygen
19. Stroke
20. Causes for type – II respiratory failure
21. Brain protective ventilation strategy
22. Use of lung ultrasound

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