# Rajiv Gandhi University of Health Sciences, Karnataka

**III Year B.Sc. Anaesthesia Technology Degree Examination – 04-Nov-2026**

**Time: Three Hours** **Max. Marks: 100**

## ANAESTHESIA TECHNOLOGY - ADVANCED – PAPER – III (RS-3)

## Q.P. CODE: 3273

Your answers should be specific to the questions asked
Draw neat labelled diagrams wherever necessary

**LONG ESSAYS (Question No.2 Choice)** **2 x 10 = 20 Marks**

1. Write indications for mechanical ventilation. List different modes of mechanical ventilation. Care of mechanically ventilated patient in brief
2. Write types of burn injury and grading of burn injury. Explain management of burn injury patient
   **OR**
   Explain resuscitation of new born

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

3. Write a note on importance of echocardiography in ICU
4. Preoperative assessment and anesthesia in COPD patient posted for laparoscopic cholecystectomy
5. Write American heart association guidelines for Cardio pulmonary resuscitation
   **OR**
   Explain nasogastric intubation (Feeding tube placement)
6. Ramsay sedation score
7. Dexmedetomidine for sedation in ICU
8. Prophylaxis to prevent aspiration pneumonia in an inadequate NPO patient posted for emergency laparotomy
9. Daily Evaluation of mechanically ventilated patient in ICU
10. Perioperative use of incentive spirometry
    **OR**
    Explain Non invasive ventilation
11. Illustrate Anastasia for emergency LSCS
12. Explain Glass glow coma scale

**SHORT ANSWER (Question No. 15 & 20 choice)** **10 x 3 = 30 Marks**

13. Name three indications for Invasive blood pressure monitoring
14. Name three oxygen therapy devices
15. Describe reversal and extubation
    **OR**
    Causes of cardiac arrest in adults
16. Name three causes of acidosis
17. Causes of urinary tract infections in ICU patients
18. Name three blood products
19. Thymectomy
20. Name three methods to control intraoperative bleeding
    **OR**
    Raised intracranial pressure and its management
21. Name three drugs used for sedation in ICU
22. Anesthesia consideration for bronchoscopy

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