

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year B.Sc. Allied Health Sciences Degree Examination – 14-May-2026**

**Time: Three Hours**

**Max. Marks: 100**

**Medicine Relevant to OT Technology (RS-3)**  
**(Anaesthesia Technology and Operation Technology)**

**Q.P. CODE: 3270**

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

**LONG ESSAYS (Question No.2 Choice)**

**2 x 10 = 20 Marks**

1. Discuss the etiology, clinical features and management of COPD. Add a note on preoperative preparation
2. Explain the physiological bases, rationale and method of cardiopulmonary resuscitation (CPR)

**OR**

Discuss about anticipated intra operative problems and its management for anesthesia on elderly patients (Geriatric population)

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

**10 x 5 = 50 Marks**

3. Fentanyl
4. Temperature monitoring
5. Morbid obesity

**OR**

Treatment of hypothermia

6. Magnesium and its uses
7. Type 1 Diabetes Mellitus
8. Non invasive Mechanical ventilation (NIV)
9. Fresh frozen Plasma
10. Post partal hemorrhage

**OR**

Anesthesia considerations in a patient with Ischemic Heart Disease (IHD)

11. Epilepsy
12. Describe the problems associated with elderly patients

**SHORT ANSWER (Question No. 15 & 20 choice)**

**10 x 3 = 30 Marks**

13. Thyroid hormones
14. Antibiotic resistance
15. Vasopressin

**OR**

Morphine

16. Haemaccel
17. Lithotomy position
18. Dopamine
19. Ranitidine and Pantoprezole
20. Post exposure prophylaxis of HIV

**OR**

APGAR score

21. Causes of Haematemesis
22. Cisatracurium

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