

# Rajiv Gandhi University of Health Sciences, Karnataka

## III Year B.Sc. Respiratory Technology Degree Examination – 30-May-2024

**Time: Three Hours**

**Max. Marks: 100 Marks**

### **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. Sepsis – Definition, stages, resuscitation and management guidelines.
2. Pulmonary rehabilitation in Obstructive and restrictive diseases.

**OR**

Cardiopulmonary exercise tests and mention indications and contraindications.

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

**10 x 5 = 50 Marks**

3. Mechanism of exercise intolerance in chronic respiratory disease.
4. ICU management in Ischemic and Hemorrhagic stroke.
5. Indication, contraindication and complication of oral and nasal intubation.

**OR**

Leptospirosis.

6. Arterial line insertion – Indication, sites, complication.
7. Evidence based guidelines on pulmonary rehabilitation.
8. VAP bundle.
9. Abnormal findings on CXR.
10. VV-ECMO

**OR**

Acute and chronic respiratory acidosis.

11. Brain death and apnea test.
12. Analgesics and sedatives – Classification and Indications.

#### **SHORT ANSWER**

**10 x 3 = 30 Marks**

13. Indications for ICD.
14. Abnormal breath sounds.
15. Management of OP poisoning.
16. Ramsay's sedation scale.
17. Hypokalemia.
18. Apnea – Hypoapnea index.
19. Types of shock.
20. Oxygen cascade.
21. Atelectasis.
22. Indications for NIV.

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