Rajiv Gandhi University of Health Sciences, Karnataka

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

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

Respiratory Technology – Advanced – Paper-III (RS-3)

Q.P. CODE: 3363

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. Write in detail on Bronchopulmonary dysplasia.
2. Write a note on neonatal respiratory distress syndrome.
   OR
   Write a note on persistent pulmonary hypertension in neonates.

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

3. Write a note on Down's scoring.
4. Write in detail on nitric oxide therapy.
5. Write in detail about congenital heart diseases in pediatrics.
   OR
   Write in detail on surfactant replacement therapy in neonates.
6. Write a note on non-invasive ventilation for newborns.
7. Write a note on modes of ventilation in neonates.
8. Write a note on capnography for neonates.
9. Write a note on neonatal resuscitation.
10. Write a note on targeted saturation in newborns.
    OR
    Write a note on oxygen toxicity.
11. Write a note on Transcutaneous monitoring.
12. Write a note on high flow nasal oxygen.

SHORT ANSWER **10 x 3 = 30 Marks**

13. Airway resistance.
14. Plateau pressure.
15. Capnography.
16. Types of cyanosis.
17. Bubble CPAP.
18. APGAR.
19. Laryngeal Mask Airway (LMA).
20. Air leak syndrome.
21. Oxygen delivery devices.
22. Pulse oximetry.

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