

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Respiratory Technology Degree Examination – 31-Oct-2025

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 the stages of fetal lung development.
2. Write a note on respiratory distress syndrome.

OR

Write a note on ECMO, its types, functions and management.

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Write a note on transient tachypnea of newborn.
4. Write in detail on acyanotic congenital heart disease.
5. Write in detail fetal circulation.

OR

Write a note on pneumonitis.

6. Mention in detail about neonatal resuscitation.
7. Write a note on inhaled nitric oxide therapy.
8. Meconium aspiration syndrome.
9. Write in detail on oxygen toxicity.
10. Mention indication of intubation in newborns.

OR

Write a note on apnea of prematurity.

11. Surfactant replacement therapy.
12. Fetal development.

SHORT ANSWER

10 x 3 = 30 Marks

13. Nasal CPAP.
14. APGAR scoring.
15. X-ray findings in meconium aspiration syndrome.
16. Congenital diaphragmatic hernia.
17. Ventilation alarms.
18. Tetralogy of Fallot.
19. Tracheo-esophageal fistula.
20. CPAP for neonates.
21. Caffeine therapy.
22. ABG values in newborns.
