



Rajiv Gandhi University of Health Sciences, Karnataka
III Year B.Sc. Respiratory Technology Degree Examination – 20-May-2023

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. Neonatal resuscitation. Initial steps of newborn care and airway management.
2. Blood gas sampling and capillary blood gas sampling.

OR

Stages of fetal lung development.

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Transcutaneous monitoring in neonates.
4. Weaning and Extubation of newborns.
5. Bubble CPAP.

OR

Artificial surfactant.

6. Meconium aspiration syndrome.
7. Explain the transition from intrauterine to extrauterine life.
8. Pneumonitis.
9. Respiratory distress syndrome and its management.
10. Inhaled nitric oxide therapy.

OR

Inspection and palpation of the chest.

11. Modes of ventilation. Explain any two.
12. Apnea of prematurity.

SHORT ANSWER

10 x 3 = 30 Marks

13. Transposition of great arteries.
14. Types of surfactant.
15. Oxygen delivery devices.
16. Indications of invasive ventilation.
17. APGAR score.
18. Sedatives. Explain any two.
19. Complications non invasive ventilation (NIV) in neonates.
20. Indications of Laryngeal mask airway.
21. Mechanisms of heat loss.
22. High flow nasal cannula (HFNO).
