

Rajiv Gandhi University of Health Sciences, Karnataka
Third Year B.Sc. Respiratory Care Technology Degree Examination – 16-Dec-2022

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 congenital heart diseases and their management
2. Write a note on neonatal respiratory distress syndrome

OR

Discuss in detail the neonatal resuscitation and stabilization of newborns

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Oxygen and Heliox therapy – indications, precautions, delivery devices and hazards
4. Extracorporeal membrane oxygenation and its importance in neonatal care
5. Discuss the different modes of ventilation used in mechanical ventilation of newborns

OR

Write in detail on surfactant replacement therapy in neonates

6. Write in detail on non-invasive ventilation for newborns
7. Write a note on inhaled nitric oxide therapy
8. Write a note on Apgar scoring and DOWN scoring
9. Write a note on weaning in newborns
10. Physiological effects of NIV in neonates

OR

Write a note on apnea of prematurity

11. Tracheoesophageal fistula and management
12. Write a note on central venous catheterization in neonates

SHORT ANSWER

10 x 3 = 30 Marks

13. Sites of temperature measurement and normal ranges
14. Parts of pediatric flexible bronchoscopy
15. Classification of surfactants with examples
16. Kangaroo mother care
17. Bubble cpap
18. Stages of fetal lung development
19. Hypothermia
20. Oxygen delivery devices
21. Complications of oxygen therapy
22. Clinical manifestation of respiratory distress in pediatrics
