

Rajiv Gandhi University of Health Sciences, Karnataka
Third Year B.Sc. Respiratory Care Technology Degree Examination – 29-Nov-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. Write in detail on development of fetal circulation with diagram
2. Write a note on high frequency ventilation for pediatrics

OR

Write a note on ECMO in pediatrics

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Write a note on high flow nasal cannula
4. Congenital diaphragmatic hernia – pathophysiology and management
5. Write a note on coarctation of the aorta

OR

Write in detail on surfactant replacement therapy in neonates

6. Write a note on pediatric flexible bronchoscopy
7. Write a note on inhaled nitric oxide therapy
8. Indications, contraindications and complications of NIV in newborns
9. Write a note on drowning and its management
10. Write a note on Pneumonitis in pediatrics

OR

Write a note on pulmonary air leak

11. Algorithm of neonatal resuscitation and explain it briefly
12. Write a note on colorimetry

SHORT ANSWER

10 x 3 = 30 Marks

13. Thermoneutral environment
14. Techniques of surfactant delivery
15. Capnography
16. Complications of arterial puncture
17. Bubble cpap
18. Epiglottitis
19. Laryngeal Mask Airway
20. High flow nasal cannula and sized according to gestational age
21. Mention any three sedatives in pediatric care
22. Functions of surfactant
