

Rajiv Gandhi University of Health Sciences, Karnataka
III Year B.Sc. Respiratory Technology Degree Examination – 27-Nov-2024

Time: Three Hours

Max. Marks: 100

RESPIRATORY CARE 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. Describe airway management in newborn
2. Discuss non-invasive mechanical ventilation of newborn. Describe indications, contraindications and complications of NIV

OR

Diagnosis and management of congenital diaphragmatic hernia

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Apnea of prematurity
4. Capnography
5. Blood gas sampling

OR

Retinopathy of prematurity

6. Pediatric asthma
7. Oxygen delivery devices
8. List modes of neonatal mechanical ventilation. Describe any two
9. Prevention of hypothermia in newborn
10. Mode of administration of surfactant therapy

OR

NIV therapy in neonatal disorders

11. Indications and contraindications of invasive ventilation in newborn
12. Transition from intrauterine to extra uterine life

SHORT ANSWER

10 x 3 = 30 Marks

13. Chest compression in newborn
14. Temperature measurement in newborn
15. Enlist cyanotic congenital heart disease
16. Indications of Capnography
17. LISA
18. Hazards of HFNC
19. List interfaces for NIV
20. Ballard scoring
21. Principle and devices for pulse oximetry
22. Treatment of Meconium Aspiration Syndrome
