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Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Respiratory Care Technology Degree Examination - OCT-2019

Time: Three Hours **Max. Marks: 100 Marks**

Advanced Respiratory Care Technology - III (Revised Scheme)

Q.P. CODE: 2931

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) **2 x 10 = 20 Marks**

1. Home mechanical ventilation.
2. Initiation of mechanical ventilation.
3. Weaning from mechanical ventilation.

SHORT ESSAYS (Answer any Ten) **10 x 5 = 50 Marks**

4. Neonatal ventilation.
5. High frequency jet ventilation.
6. Non invasive positive pressure ventilation.
7. Mechanical ventilation in poisoning and drug overdose.
8. CPAP.
9. Hyperbaric oxygen therapy.
10. High altitude sickness.
11. Lung compliance.
12. Lung volumes.
13. Liquid ventilation.
14. Volutrauma and barotraumas.
15. ABG analysis.

SHORT ANSWERS (Answer any Ten) **10 x 3 = 30 Marks**

16. Sleep apnea.
17. Hypernatremia and Hyponatremia.
18. Respiratory acidosis and alkalosis.
19. Sterilization of ventilator circuits.
20. Caisson's disease.
21. HME filters.
22. Contraindications for chest physiotherapy.
23. Care of artificial airways.
24. Body surface area.
25. Ventilator alarm setting.
26. Surfactant therapy.
27. Glasgow coma score.

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