

[LQ 0220]

FEBRUARY 2020

Sub. Code: 2616

B.Sc. RESPIRATORY THERAPY

THIRD YEAR

PAPER I – RESPIRATORY THERAPY TECHNIQUES - I

Q.P. Code: 802616

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Chronic Respiratory Failure.
2. Types of Ventilators and their mode of function, advantage and disadvantages.
3. A patient on Mechanical ventilation develops respiratory distress and Oxygen desaturation. Enumerate steps of trouble shooting this problem.

II. Write Notes on:

(8 x 5 = 40)

1. Respiratory muscle weakness.
2. Noninvasive Ventilation in Chronic conditions.
3. Invasive ventilatory management of patient with COPD.
4. Negative pressure Ventilation.
5. Weaning from Mechanical Ventilator.
6. Difference between Continuous (CMV) and Intermittent (IMV) mandatory Ventilation.
7. Targeting schemes of Mechanical Ventilator.
8. Alarm settings in Ventilators.

III. Short Answers on:

(10 x 3 = 30)

1. Diffusion Impairment.
2. How Mechanical Ventilation decreases shunt?
3. Effects of Mechanical Ventilation on Dead Space.
4. Alveolar Hypoventilation.
5. Impairment of Respiratory Control.
6. Airway resistance.
7. Tension Pneumothorax.
8. ECMO – indications, contraindications, application and adverse events.
9. Plan for Mechanical ventilation in a patient with head injury.
10. Patient positioning to optimize ventilation and Oxygenation during Mechanical Ventilation.
