

**B.Sc. RESPIRATORY THERAPY**

**THIRD YEAR**

**PAPER II – RESPIRATORY THERAPY TECHNIQUES - II**

*Q.P. Code: 802617*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. How will you assess and safely transport a critically ill patient as a Respiratory Therapist?
2. What are the indications for intubation? Enumerate difficult intubation algorithm and its management.
3. Define oxygen dissociation curve. What are the ways to deliver oxygen to tissues? Explain on low flow oxygen delivery devices.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Compare MDI and DPI.
2. ICD.
3. Principles of humidification.
4. Home oxygen concentrators.
5. ECMO – indication, complication, advantage and disadvantage.
6. Venturi mask.
7. Oxygen toxicity.
8. HME.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Draw and label bubble humidifier.
2. Hazards of aerosol therapy.
3. AMBU.
4. Difference between simple condenser humidifier and hygroscopic heat exchanger.
5. Complications of suctioning.
6. Different sizes and colour codes of suction catheter.
7. Mallampatti classification.
8. Indication for humidification.
9. What will you do in conditions where you ‘can’t ventilate and can’t intubate’?
10. Troubleshooting of humidifiers.

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