

**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. Describe the various problems in transport of critically ill patients.
2. Oxygen therapy – High flow and Low flow oxygen delivering devices.
3. Types of aerosol generators and its working principles.

II. Write Notes on:

(8 x 5 = 40)

1. Compliance, resistance and time constants.
2. Factors affecting dry powder inhaler (DPI) performance and drug delivery.
3. Care of tracheostomy tube.
4. Glasscow coma scale (GCS).
5. Disinfection of laryngoscope and bronchoscope.
6. Cricothyrotomy.
7. Alert, Verbal, Pain, Unresponsive (AVPU) scale.
8. Bottle systems in intercostal drainage (ICD).

III. Short Answers on:

(10 x 3 = 30)

1. Metabolic acidosis- types, formula for calculating Anion gap.
2. Indications and contraindications of transport of critically ill patients.
3. Parts of bronchoscope and its uses.
4. Vibrating mesh nebulizer.
5. Passive humidifier.
6. Bronchial toileting.
7. Hazards of oxygen therapy.
8. Spontaneous Breathing (SBT) Trial.
9. Parts of an Endotracheal (ET) tube.
10. Maximal inspiratory and expiratory pressures.
