

**B.Sc. OPERATION THEATRE AND ANAESTHESIA TECHNOLOGY
THIRD YEAR
PAPER II – PRINCIPLES OF ANAESTHESIA - II**

Q.P. Code: 801122

Time : Three Hours

Maximum : 100 Marks

Answer All Questions.

I. Elaborate on:

(3 x 10 = 30)

1. Classification of breathing circuits. Maplesons classification. Brief about Bains circuit, Jackson Rees (Pediatric) Circuit.
2. Physiology of Respiration. Lung volumes and Capacities with Diagram.
3. Basic Minimum Mandatory Monitoring during Anesthesia. Explain in detail about capnography.

II. Write notes on:

(8 x 5 = 40)

1. Atracurium.
2. Total Spinal following sub Arachanoid Block and its Management.
3. Thiopentone.
4. Vapourisers.
5. Circle system.
6. Artificial Airways.
7. Pin Index. O₂, N₂O, Entonox, CO₂, Air-pin index configuration.
8. Premedication for paediatric Anesthesia.

III. Short Answers on:

(10 x 3 = 30)

1. Morphine.
2. Atropine.
3. Noradrenaline.
4. Ritchies Alarm.
5. E.M.L.A.
6. Sevoflurane.
7. Self inflating Resuscitator Bag.
8. Total Intravenous Anesthesia (TIVA).
9. 0.9% Normal Saline, 0.45% Normal Saline Composition and Indication.
10. Criteria for Adequate Reversal of Neuromuscular Blockade.
