

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0423]

APRIL 2023

Sub. Code: 1138

**B.Sc. OPERATION THEATRE AND ANAESTHESIA TECHNOLOGY
SECOND YEAR (Regulation 2018-2019 onwards)
PAPER III – PRINCIPLES OF ANAESTHESIA - I
Q.P. Code: 801138**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. What is Breathing System and Classification of Mapleson's system?
2. How will you Prepare the OT for Elective Surgery?
3. What are the Methods of Confirmation of Endotracheal Tube Placement and write in detail about End-Tidal Carbondioxide (ETCO₂) Monitoring.

II. Write notes on:

(8 x 5 = 40)

1. Pulse Oximeter.
2. Central Venous Pressure Monitoring.
3. Flow meter.
4. Tourniquet and its uses.
5. Atropine.
6. Methods of Humidification.
7. Preoperative Fasting guidelines.
8. Basic Life Support.

III. Short answers on:

(10 x 3 = 30)

1. Korotkoff sounds.
2. Anticholinergic drugs.
3. Post dural puncture Headache.
4. Contraindications of Neuraxial Blockade.
5. Segregation, Collection and Treatment of Biomedical Waste.
6. What is Mean Arterial Pressure? How to calculate it?
7. Name the Local Anesthetics used in Spinal Anesthesia.
8. Suction Apparatus.
9. Classify the Blood Groups and give the physiological basis of Blood Grouping.
10. Lithotomy position.
