

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

[MD 0723]

**JULY 2023
(MAY 2023 EXAM SESSION)**

Sub. Code: 2040

**M.D. DEGREE EXAMINATION
BRANCH X – ANAESTHESIOLOGY**

**PAPER I – APPLIED BASIC SCIENCES RELATED TO ANAESTHESIA
INCLUDING PHYSICS IN ANAESTHESIA,
HISTORY OF ANAESTHESIA**

Q.P. Code: 202040

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. What is Central Venous Pressure? Describe the different approaches of CVP Cannulation, Indications, Contraindications and Complications related to it.
2. What is Humidification? Describe in detail various methods of Humidification along with the advantages and disadvantages.

II. Write notes on:

(10 x 7 = 70)

1. WTG Morton.
2. Nor adrenaline.
3. Compliance and Resistance of Lungs and Chest wall.
4. Remifentanil.
5. Video Laryngoscope.
6. Oxygen Cascade.
7. Pin Index.
8. Boyle's Law.
9. Role of Ultrasound in assessing difficult airway.
10. Surfactant.
