

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

[AHS 0922]

SEPTEMBER 2022

Sub. Code: 1113

(FEBRUARY 2022 & AUGUST 2022 EXAM SESSIONS)

**B.Sc. OPERATION THEATRE AND ANAESTHESIA TECHNOLOGY
SECOND YEAR (Regulations from 2010-2011, 2014-2015 & 2015-2016)**

PAPER III – PRINCIPLES OF ANAESTHESIA - I

Q.P. Code : 801113

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Preparation, positioning and assisting for Central Venous Cannulation.
2. Describe in detail about Safety systems in Anaesthesia machine.
3. Briefly describe the physiology of Neuromuscular Junction. Classify Muscle relaxants. Discuss in detail about any 2 muscle relaxants.

II. Write notes on:

(8 x 5 = 40)

1. Hypothermia.
2. Adrenaline.
3. Mallampatti grading.
4. Soda lime.
5. Systemic effect of spinal anaesthesia.
6. Propofol.
7. Lithotomy position – indications and complications.
8. Tracheostomy.

III. Short answers on:

(10 x 3 = 30)

1. Normal Saline.
2. Contraindications for Ketamine.
3. Saddle Block.
4. Mention the Intravenous anaesthetic agents.
5. Uncuffed Endotracheal Tubes.
6. Vital capacity.
7. Mention the types of O₂ cylinder and its storage capacity and pressure.
8. Laryngeal Mask Airway.
9. PEEP.
10. Bier Block.
