

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

[AHS 0423]

APRIL 2023

Sub. Code: 1133

**DIPLOMA IN OPERATION THEATRE & ANAESTHESIA TECHNOLOGY
SECOND YEAR - (Regulation 2018-2019 onwards)
PAPER III – PRINCIPLES OF ANAESTHESIA**

Q. P. Code: 841133

Time: Three hours

Maximum : 100 Marks

Answer ALL Questions

I. Elaborate on: **(3 x 10 = 30)**

1. Describe in detail about Medical Gas Cylinders.
2. What is Spinal Anaesthesia? Discuss in detail about its indication, contra-indications and complications.
3. What are the positions for various surgeries? Discuss in detail about Prone position.

II. Write notes on: **(10 x 5 = 50)**

1. Propofol – its dosage, uses and contraindication.
2. Hanger yoke assembly.
3. Essential items to be kept on Anaesthesia machine.
4. Commonly used IV fluids.
5. Bains circuit.
6. Different types of Face masks and its uses.
7. Central pipeline of various medical gases.
8. ECG monitor.
9. Different blood products and its uses.
10. Parts of pressure gauge, its use and safety feature.

III. Short answers on: **(10 x 2 = 20)**

1. Drugs used to treat Bradycardia.
2. Name two Sedatives.
3. Bougie.
4. What is Defibrillation?
5. Two causes of Respiratory failure.
6. Name any two nerve blocks.
7. Importance of ETCO₂ monitoring.
8. What is a Vaporizer?
9. Vital capacity.
10. Types of Laryngoscopes.
