

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

[AHS 0424]

APRIL 2024

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. What are the different parts of Boyle's machine? Safety features of Anaesthesia machine.
2. How is Endotracheal intubation is performed? What are the methods of confirmation of Endotracheal tube placement?
3. Brief about different blood products. How will you check blood products before transfusion? Complications of blood transfusion.

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

1. Safety precautions in a manifold room.
2. What is Ketamine? Mention its dosage, uses and contraindications.
3. Describe the parts of AMBU bag and its uses.
4. List any five emergency drugs to be kept on anaesthesia machine and their uses.
5. Routine blood investigations done before surgery and its importance.
6. Steps of checking anaesthesia machine.
7. Pin index.
8. Laryngeal mask airway.
9. How will you set up an IV line tray?
10. Various oxygen delivery devices.

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

1. Name any two special endotracheal tubes.
2. Complications of spinal anaesthesia.
3. What is normal heart rate? What is tachycardia?
4. Name any two induction drugs.
5. Name two colloids and its uses.
6. Parts of operating table.
7. List any four non-invasive monitors used in anaesthesia.
8. Name two indicators used in soda lime.
9. Name two drugs used for shivering.
10. Preoperative special investigations done in diabetes mellitus patient posted for surgery.

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