

[LR 1111]

DECEMBER 2020  
(AUGUST 2020 EXAM SESSION)

Sub. Code: 1111

**DIPLOMA IN OPERATION THEATRE & ANAESTHESIA TECHNOLOGY**  
**SECOND YEAR - (Regulation 2010 – 11)**

**PAPER I – APPLIED PHYSIOLOGY & PHARMACOLOGY**

*Q.P. Code: 841111*

**Time : Three Hours**

**Maximum : 100 Marks**

**Answer All questions.**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Classify General Anaesthetics. Explain in detail about Pre-Anaesthetic medication.
2. Explain in detail about different Lung Volumes and Capacities with their normal values.
3. Classify Anti-Hypertensive drugs. Write in detail about the actions, uses and adverse effects of ACE inhibitors.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Types of Shock.
2. Buffer systems in our body.
3. Types of Respiratory failure and its management.
4. Mismatched blood transfusion.
5. Oxygen Dissociation Curve.
6. Thiopentone.
7. Atracurium.
8. Oxygen.
9. Hypovolemic Shock.
10. Essential drugs in recovery room.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Blood supply to heart.
2. Normal ECG with diagram.
3. Muscles used in Respiration.
4. Metabolic Acidosis.
5. Advantages & Disadvantages of oral route of Drug administration.
6. Composition of Ringer Lactate.
7. Name any two Bronchodilator drugs.
8. Write the uses of Dexamethasone.
9. Name any two Analgesics.
10. Name any two Vasodilator drugs.