

[LD 0212]

AUGUST 2013

Sub. Code: 1111

**DIPLOMA IN OPERATION THEATRE & ANAESTHESIA TECHNOLOGY  
SECOND YEAR  
PAPER I – APPLIED PHYSIOLOGY & PHARMACOLOGY**

*Q.P. Code : 841111*

**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions.**

**I. Elaborate on :**

**(3x10 = 30)**

1. Classify anti arrhythmics and write in detail about Amiodarone
2. Define Shock. What are the types of shock and write a note on management of shock.
3. Define respiratory failure. What are the types of respiratory failure? List the main causes and associated clinical features.

**II. Write short notes on:**

**( 10X5= 50)**

1. Atropine
2. Furosemide
3. Ketamine
4. Oxygen.
5. Respiratory movements under anaesthesia
6. Explain causes and management of Hypertension
7. Pulmonary edema
8. Local anaesthetics
9. Preanaesthetic medications
10. Calcium channel blockers

**III. Short answers on:**

**(10X2=20)**

1. Name four inotropes
2. Composition of normal saline
3. Name the buffer systems in the body
4. Types of drug reactions with examples
5. Muscles used in respiration
6. Define hypoxia and give two causes
7. Name four antibiotics given preoperatively
8. Name four sources of drugs
9. Blood supply of lungs
10. Name four reversal agents

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