

**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:

(3 x 10 = 30)

1. Name the inhalational agents used in operation theatre. Explain in detail sevoflurane?
2. Classify Opioids? Write in detail about Fentanyl?
3. Enumerate the types of respiratory failure? Explain the management of respiratory failure?

II. Write notes on:

(10 x 5 = 50)

1. Position of patient during intubation.
2. Benzodiazepines.
3. Oxygen.
4. Chambers of heart.
5. Rh incompatibility.
6. Local anesthetics.
7. Beta – Blockers.
8. Acute respiratory distress syndrome.
9. Bronchopulmonary segments.
10. Clinical features and management of hypoxia.

III. Short answers on:

(10 x 2 = 20)

1. Mention any two preanesthetic medications.
2. Mannitol.
3. Mention the normal cardiac output value.
4. Advantages of intravenous route drug of administration.
5. Mention the causes of chronic obstructive pulmonary disease.
6. Types of circulation.
7. Name the induction drugs used in general anesthesia.
8. List the uses of anxiolytics.
9. Management of bronchial asthma.
10. Name some calcium channel blockers.
