

**B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY  
THIRD YEAR  
Paper III – AMBULANCE EQUIPMENTS**

*Q.P. Code : 801023*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Write in detail regarding modern defibrillators. Mention its Physiology, functions, options and indications of Defibrillators.
2. Mention the steps of Endotracheal Intubation in detail.
3. Evaluation and management of Hyponatremia.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Mention Antidotes for
  - a) Organophosphorus Compound
  - b) Opioids
  - c) Benzodiazepine
  - d) Local Anesthetics
  - e) Paracetamol
2. Monitoring urine output in all age groups.
3. Crush syndrome.
4. Propofol infusion syndrome.
5. Spine Immobilization.
6. Gastric Lavage.
7. Types of O<sub>2</sub> Cylinders.
8. List out the life threatening conditions associated with thoracic trauma.

**III. Write Answers on:**

**(10 x 3 = 30)**

1. Draw diagram and label the parts of Non rebreathing mask.
2. Draw diagram and label the parts of Central Venous Triple Lumen Catheter.
3. Draw diagram and label the parts of vertebra.
4. Name 3 drugs for Induction.
5. Name 3 temporary airway devices.
6. Name 3 drugs used in cardiac arrest with doses.
7. Mention 3 methods to confirm ET tube placement.
8. Mention 3 drugs given through ET tube.
9. What is Cushing triad?
10. What is Virchow's triad?

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