

**DIPLOMA IN CRITICAL CARE TECHNOLOGY  
SECOND YEAR**

**PAPER III – CRITICAL CARE TECHNOLOGY, AIRWAYS O<sub>2</sub> THERAPY,  
CARE OF PATIENT ON VENTILATOR EQUIPMENT  
MAINTENANCE AND TROUBLESHOOTING**

*Q.P. Code : 841213*

**Time : Three Hours**

**Maximum : 100 Marks**

**Answer All questions.**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. a) Describe the Four types of rhythms in ECG Monitor for a patient with No Central pulse.  
b) Evaluate a patient with a Heart Rate of 120/minute.  
c) Indications for tracheostomy.
2. A 20 years aged Boy met with a road accident brought to Emergency Unit in unconscious state with chest and Head injury.  
a) Describe the initial assessment and investigation required  
b) Describe Management of Head injury.
3. Describe in detail about various types of Shocks.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Describe steps in using Defibrillator.
2. Ventilator settings for ARDS.
3. Ryle's tube insertion and feeding Techniques.
4. Contents in a Airway Tray and Daily check list.
5. Monitoring a patient in an advanced Cardiac Life support Ambulance.
6. Management of Tension Pneumothorax.
7. Weaning off Ventilator.
8. Adjunct of Airway.
9. Barotrauma.
10. Evaluation of Generalized Anasarca.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Draw and Label a Laryngoscope.
2. What is ETO Sterilization?
3. Three steps in Defibrillation.
4. Five point Auscultation after Intubation.
5. How will you confirm Endotracheal Intubation?
6. Sizes of Venflon.
7. Alpha Bed.
8. Compression and ventilation Ratio in CPR.
9. Uses of Atropine.
10. Drugs and dosage used in Supraventricular Tachycardia.

\*\*\*\*\*