

[LD 0212]

**AUGUST 2013**  
**B.Sc CRITICAL CARE TECHNOLOGY**  
**THIRD YEAR**  
**Paper II – ICU EQUIPMENTS**

Sub.Code :1222

**Time : Three hours**

**Q.P Code : 801222**

**Maximum : 100 Marks**

**Answer All Questions**

**I. Elaborate on :**

**(3X10=30)**

1. What is Renal replacement therapy ? Name the Modalities. Indications and complications of Dialysis.
2. Indications and Complications of Mechanical Ventilation. Add a note on adjunctive therapies for a ventilated patient.
3. What are the troubleshooting airway emergencies in a ventilated patient. Enumerate the important steps in airway maintenance ?

**II. Write Notes on:**

**(8x5=40)**

1. Primary survey under Trauma Evaluation.
2. Automated External Defibrillator .
3. Glasgow coma scale.
4. Precautions to be taken before urinary catheterisation .
5. Indications and complications of Exchange Transfusion.
6. Algorithm for Advanced Cardiac Life support -Pulseless Arrest.
7. Benefits of Epidural Analgesia. Essential observations to be made in a patient with epidural catheter.
8. Indications of central venous line placement.

**III. Short Answers on:**

**(10x3=30)**

1. Indications of Sengstaken Blakemore tube .
2. Indications of Arterial Blood gas analysis – indications .
3. Guidelines for chest tube removal .
4. What are the vasopressors used in critical care unit ?.
5. Lumbar puncture- indications.
6. Advantages and Disadvantages of Enteral Nutrition.
7. What is cardiac arrest and its types ?
8. Contraindications to gastric lavage.
9. Indications of Intracranial pressure monitoring .
10. Draw the waveforms of ECG (Electrocardiogram) and its implications .