

[LH 0815]

AUGUST 2015

Sub.Code :1222

B.Sc. CRITICAL CARE TECHNOLOGY

THIRD YEAR

Paper II – ICU EQUIPMENTS

Q.P Code : 801222

Time: Three Hours

Maximum : 100 Marks

Answer All Questions

I. Elaborate on:

(3 x 10 = 30)

1. Explain in detail about Hospital Waste Management.
2. Describe Non invasive ventilation. Write about BiPAP ventilation.
3. Describe the mechanism of pulse oximetry and add a note on its pitfalls.

II. Write Notes on:

(8 x 5 = 40)

1. How to approach to low pressure alarm in ventilator?
2. Write briefly about oxygen cylinder.
3. Describe about the peritoneal dialysis. Add a note on its indication and contraindications.
4. What are the Mechanical methods of deep vein thrombosis (DVT) prophylaxis?
5. How to monitor endotracheal tube cuff pressure in the critically ill patients?
6. Discuss possible errors in recording electrocardiogram.
7. Describe about principle of non invasive Blood pressure measurement.
8. Describe about various types of nebulizer and add a note on jet nebulizer.

III. Short Answers on:

(10 x 3 = 30)

1. Write a note on Autoclave.
2. What is Synchronization in Defibrillator?
3. What are the indications for Percutaneous Endoscopic Gastrostomy (PEG) feeding tube?
4. Draw diagram of Endotracheal tube and label it's parts.
5. Note on oxygen flow meter.
6. Write a note on Transducer Zeroing.
7. Describe the sequence of Defibrillation.
8. Narrate about Hudson face mask.
9. Notes on Co-Oximeter.
10. How to place the ECG electrodes?
