

**B.Sc. CRITICAL CARE TECHNOLOGY
THIRD YEAR**

PAPER I – ICU MONITORING - II

Q.P Code : 801221

Time : Three Hours

Maximum : 100 Marks

Answer All Questions

I. Elaborate on:

(3 x 10 = 30)

1. Define Renal Replacement Therapy. Describe in details about procedure and the Indications of Emergency Dialysis.
2. Define cardiac arrest. Discuss in details about management of Ventricular Fibrillation.
3. Describe the etiology, diagnosis and management of the Acute Pancreatitis.

II. Write Notes on:

(8 x 5 = 40)

1. Congestive cardiac failure.
2. Approach to high pressure alarm in ventilator patient.
3. Management of scorpion sting.
4. Critical care management of Hepatic Encephalopathy.
5. Discuss about the Guillain Barre syndrome.
6. Discuss the diagnosis and management of the Unstable Angina.
7. Normal ABG values and describe about metabolic acidosis.
8. How will you clean and maintain ICU equipment?

III. Short Answers on:

(10 x 3 = 30)

1. Different modes of Positive Pressure Ventilation.
2. How would you sample blood from a central venous catheter?
3. List the nebulized drugs used for bronchodilation.
4. List indications for oxygen therapy.
5. HME filters.
6. Draw the wave form of normal Electrocardiogram (ECG) and its implications.
7. Draw a 2-bottle chest drainage system.
8. How would you sample an arterial blood gas?
9. Write briefly about universal precautions.
10. Write a note on Intraosseous access.