

B.Sc. CRITICAL CARE TECHNOLOGY
(New Syllabus 2014-2015)

SECOND YEAR

**PAPER III – ICU MONITORING I (BASIC) AND
BIOMEDICAL ENGINEERING**

Q.P. Code: 801218

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Describe the Four Arrest Rhythms and the cause of sudden cardiac arrest in ICU.
2. Describe the following in detail:
 - a. Arterial Blood Gas
 - b. Pulse oximetry
 - c. Bag Mask Ventilation – Label and techniques.
3. Describe the various types and uses of Medical equipments in ICU.

II. Write notes on:

(8 x 5 = 40)

1. Glasgow Coma Scale.
2. Prophylaxis in deep vein thrombosis.
3. Management of Pneumothorax.
4. Tracheal Intubation.
5. Post Resuscitation Care.
6. Management of Scorpion sting.
7. Pulmonary embolism.
8. Intercostal drainage.

III. Short answers on:

(10 x 3 = 30)

1. Three causes of Upper Respiratory Bleeding.
2. Three causes of Respiratory Acidosis.
3. What is Pleural effusion?
4. Oropharyngeal Airway.
5. Defibrillator.
6. What are Invasive and Non invasive Ventilators?
7. What is Lung Contusion?
8. Precautions before Extubating a Patient.
9. Acquired Cross infections in ICU.
10. Tracheostomy care.
