

B.Sc. CRITICAL CARE TECHNOLOGY
(New Syllabus 2014-2015 & 2015-2016)

THIRD YEAR

PAPER I – ICU MONITORING – II + MAINTENANCE OF EQUIPMENT

Q.P. Code: 801236

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. What is meant by sedation? What are ways in which sedation is given in ICU? Discuss the importance of monitoring sedation in ICU.
2. Discuss the importance of alarm settings in Ventilator set up.
3. What are common Graphics measured on Ventilators? Discuss the importance of monitoring these graphics while patient is on a ventilator.

II. Write notes on:

(8 x 5 = 40)

1. AutoPEEP.
2. Volume Control Ventilation set up.
3. Difference between Defibrillation and Cardioversion.
4. Pacemakers.
5. Uses of ultrasound in ICU.
6. Estimating nutrition requirements in ICU.
7. Bronchoscopy: indications, contraindications and maintenance.
8. Steps in maintenance of ABG machine.

III. Short answers on:

(10 x 3 = 30)

1. How to get a proper ECG trace?
2. Problems with pulse oximeter measurement.
3. Infusion pumps.
4. Preload.
5. Compliance.
6. Types of facemasks for Non Invasive Ventilation.
7. Maintenance of Laryngoscopes in ICU.
8. How to maintain arterial line in patients admitted to ICU?
9. GCS score.
10. List equipment needed for difficult intubation.
