

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

THIRD YEAR

PAPER II – ICU THERAPY

Q.P. Code: 801237

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Define renal replacement therapy. What are all the types of renal replacement therapy? Define Hemodialysis. Enumerate the principles of Hemodialysis and complications of Hemodialysis.
2. Define respiratory failure. What are all the indications and complications of the mechanical ventilation?
3. Define shock. What are the types of shock? Enumerate the management of circulatory shock.

II. Write notes on:

(8 x 5 = 40)

1. Define abdominal compartmental syndrome? What are the indications of the intra-abdominal pressure monitoring?
2. Explain and draw the three-bottle drainage system.
3. Manual in line stabilization.
4. Airway Pressure Release Ventilation (APRV).
5. Principles of chest physiotherapy.
6. Rule of nine in burns.
7. Universal precautions.
8. Automated External Defibrillator (AED).

III. Short answers on:

(10 x 3 = 30)

1. Indications of Intra-Aortic Balloon Pump (IABP).
2. Three causes of weaning from the mechanical ventilator.
3. Three causes of high airway pressure on the mechanical ventilator.
4. Drugs used in ACLS.
5. Three indications of non-invasive ventilation.
6. Draw the sequence of Basic Life Support (BLS).
7. Three advantages of humidification.
8. Three complications of suctioning.
9. Parenteral nutrition.
10. Golden hour.
