

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

SECOND YEAR

**PAPER IV – PATHOLOGY, PATHOPHYSIOLOGY AND
PHARMACOLOGY**

Q.P. Code: 801219

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on: **(3 x 10 = 30)**

1. Elaborate on the classification, preparations, clinical uses and adverse effects of Benzodiazepines.
2. Mention the types of shock. Write about the Pathogenesis of septic shock. Also write a note on stages of shock.
3. Elaborate on Pathogenesis, clinical course and management of bronchial asthma.

II. Write notes on: **(8 x 5 = 40)**

1. Routes of drug administration.
2. Beta blockers in the treatment of hypertension.
3. Clinical uses, contra-indications and adverse effects of penicillins.
4. Role of nitrous oxide in anaesthesia and critical care practice.
5. Define Edema. Explain the Pathophysiology of edema.
6. Paracetamol its uses and adverse effects.
7. Anemia in ICU.
8. Myasthenia gravis.

III. Short answers on: **(10 x 3 = 30)**

1. Dissociative anaesthesia.
2. Dobutamine.
3. Verapamil.
4. Clonidine.
5. Expectorants.
6. Mention three coagulation disorders and the clotting factor deficient in them.
7. Define bronchiectasis.
8. Mention three agents causing pneumoconiosis and the disease caused.
9. Factors affecting wound healing.
10. Types of emphysema.