

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

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, advantages, disadvantages, and adverse effects of general anesthetics.
2. Elaborate on the pharmacology of ANY FOUR sympathomimetic drugs.
3. Describe the classification, preparations, clinical uses and adverse effects of bronchodilators.

II. Write notes on:

(8 x 5 = 40)

1. First pass metabolism.
2. Clinical uses and adverse effects of succinylcholine.
3. ANY FIVE uses and contra-indications of corticosteroids.
4. Vasodilators.
5. Clinical uses, and adverse effects of Aspirin.
6. Drugs used in the treatment of shock.
7. Role of antimicrobial drugs in anaesthesia and critical care practice.
8. Clinical uses and adverse effects of opioids.

III. Short answers on:

(10 x 3 = 30)

1. Lorazepam.
2. Treatment of atropine over dosage.
3. Anti-histamines.
4. Neostigmine.
5. Propranolol.
6. Telmisartan.
7. Flumazenil.
8. Clinical uses of opioid antagonists.
9. Buprenorphine.
10. Antiseptics and disinfectants.
