

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, preparations, clinical uses and adverse effects of Benzodiazepines.
2. Elaborate on the pharmacology of ANY FOUR atropine substitutes.
3. Describe the classification, preparations, clinical uses and adverse effects of ANY FOUR vasopressor drugs used in emergencies.

II. Write notes on:

(8 x 5 = 40)

1. Routes of drug administration.
2. ANY FIVE clinical uses of corticosteroids.
3. Beta blockers in the treatment of hypertension.
4. Second generation antihistamines.
5. Clinical uses, contra-indications and adverse effects of penicillins.
6. Treatment of status asthmaticus.
7. Role of nitrous oxide in anaesthesia and critical care practice.
8. Clinical uses and adverse effects of aspirin.

III. Short answers on:

(10 x 3 = 30)

1. Dissociative anaesthesia.
2. Reversal of neuromuscular blocker over dosage.
3. Dobutamine.
4. Sodium nitroprusside.
5. Verapamil.
6. Tramadol.
7. Clonidine.
8. Codeine.
9. Naloxone.
10. Expectorants.
