

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. Describe the classification, preparations, clinical uses and adverse effects of any four vasopressor drugs used in emergencies.
2. Elaborate on the classification, advantages, disadvantages and adverse effects of general anesthetics.
3. Mention the causative organism, mode of spread and pathology of tuberculosis.

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

1. Any five clinical uses of corticosteroids.
2. Treatment of status asthmaticus.
3. Clinical uses and adverse effects of aspirin.
4. Second generation antihistamines.
5. Define neutropenia. What are the causes of neutropenia?
6. Pathogenesis of myocardial infarction.
7. Haemophilia A.
8. Management of diaphragmatic paralysis.

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

1. Reversal of neuromuscular blocker over dosage.
2. Sodium nitroprusside.
3. Tramadol.
4. Codeine.
5. Mention the opportunistic infections in AIDS.
6. Any three pharmacological actions of diazepam.
7. Define emphysema. Mention two types of emphysema.
8. Different modes of spread of tumour.
9. Complications of wound healing.
10. Stages in lobar pneumonia.
