

CRITICAL CARE TECHNOLOGY

PAPER IV

PATHOLOGY, PATHOPHYSIOLOGY, PHARMACOLOGY

Time: 3 Hours

Max Marks: 80

Note: Draw diagrams whenever necessary.

Write essay on any TWO of the following questions:

2 X 10 = 20

1. Classify Adrenergic drugs with examples. Explain in detail about vasodilators.
2. What is Inflammation. Explain pathophysiology and difference between chronic and Acute inflammation.
3. Define Hypertension? Describe types, cause and pathophysiology of pulmonary Hypertension.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Describe the pharmacology of calcium channel Blockers.
5. Ischemic Heart disease.
6. Mechanical action of Ketamine.
7. Drugs used in Bronchial Asthma Treatment.
8. Management of snake bite.
9. Mode of action and Adverse effects of Insulin.

Write briefly on the following:

10 X 3 = 30

10. Pulmonary embolism.
11. Pathophysiology of COPD.
12. Neutropenia.
13. Collapse.
14. Opioids.
15. Pathophysiology of pleural effusion.
16. List out Bleeding disorders.
17. Mechanism of Naloxone.
18. Septic shock.
19. Hypoglycaemia.
