

CRITICAL CARE TECHNOLOGY

PAPER-IV

PATHOLOGY, PATHOPHYSIOLOGY, PHARMACOLOGY

Time: 3 Hours

Max Marks: 80

Note: Answer all questions

Draw diagrams whenever necessary with Black Ball point pen /HB pencil /any dark

Color pencil.

Write an essay on any TWO of the following questions:

2 X 10 = 20

1. Discuss the mode of administration, dilution, dosage, effects, uses and side effects of Adrenaline.
2. Define shock. Classify shock. Discuss in detail about Anaphylactic shock.
3. Classification of Bronchodilators. Add a note on Theophylline.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Adverse drug reactions and management.
5. Vasodilators.
6. Non depolarising Muscle relaxants.
7. Adult Respiratory Distress Syndrome (ARDS).
8. NSAIDs (Non – steroidal anti-inflammatory drugs) – classification with examples, mechanism of action and its uses.
9. Chronic Obstructive Pulmonary Disease (COPD).

Write briefly on the following:

10 X 3 = 30

10. Antifungal antibiotics.
11. Pathophysiology of congestive cardiac failure.
12. Ketamine.
13. Name three third generation Cephalosporins.
14. Name four antiplatelet drugs.
15. Define Tachyphylaxis. Give examples.
16. Define Autoimmunity. Name four autoimmune diseases.
17. Pleural effusion.
18. Renal Function Test (RFT). Explain in detail about Serum creatinine.
19. Ventilator associated Pneumonia (VAP).
