

B.P.T. [2nd Prof.]
BF/2007/06

Pharmacology

M.M. : 90

Time : 3 Hours

Section - A

All questions are compulsory. Answer to each question upto 5 lines in length. Each question carries 2 Marks. [20]

Explain why?

1. Diazepam is preferred to barbiturate as a hypnotic.
2. Adrenaline is used to treat anaphylactic shock.
3. Valproic acid is not prescribed to children below the age of 3 years.
4. Alcohol should not be taken along with aspirin.
5. Beta-adrenergic blockers should not be given alone in Pheochromocytoma.
6. Physostigmine and not neostigmine is useful in the treatment of atropine poisoning.
7. Morphine is contraindicated in head injury.
8. Tetracycline should not be used in pregnancy.
9. Ciprofloxacin should be avoided in infants and younger children.
10. Aspirin exerts antiplatelet effect in low doses.

Section - B

Attempt any 8 questions. Answer to each question upto 2 pages in length. Each questions carries 5 Marks. [40]

1. Discuss briefly the therapeutic uses and adverse effects of Glucocorticoids.
2. Write uses and drug interactions of Ketoconazole.
3. Describe adverse effects of Aminoglycoside antibiotics alongwith common characteristic features.
4. Status of atropine as pre-anaesthetic mediation.
5. Discuss rationality of the combination of Levodopa and Carbidopa used in Parkinsonism.
6. Describe pharmacological basis for therapeutic uses of Sodium Cromoglycate in bronchial asthma.
7. Briefly discuss the adverse effects and uses of Diphenyl hydantoin.
8. Discuss briefly the drug management of acute adrenal insufficiency.
9. Write short note on Human insulin.
10. Discuss briefly the clinical uses, adverse effects and contraindications of Lithium Carbonate.
11. Mention the role of Dopamine in Hypovolumic shock.
12. Describe briefly the preparations, route of administration and uses of Nitroglycerine.

Section - C

Attempt any 2 questions. Answer to each question upto 5 pages in length. Each questions carries 15 Marks. [30]

1. Classify Adrenergic drugs. Describe pharmacological actions and therapeutic used of Adrenaline.
2. Classify Nonsteroidal anti-inflammatory drugs. Discuss the mechanism of action, clinical uses, adverse effects and precautions of Aspirin.
3. Discuss the factors modifying the responses of the drug.
4. Classify Skeletal Muscle relaxants. Discuss their mechanism of action, side effects and