



PHARMACOLOGY

Paper – I

Time allowed : 2 Hours

Full Marks : 40

Use Separate answer script for each group

Attempt all questions.

The figures in the margin indicate distribution of marks in each questions

Group – A

1. (a) Give an outline of ideal therapeutic regimen for a patient suffering from congestive cardiac failure. What are the possible cardiac toxic effects of digitalis therapy and what are the early indications of toxicity ? 7+2+1

Or

- (b) On the occasion of Hindu religious festival a group of men have consumed dhatura seeds. They were brought to a nearby hospital. Mention the signs and symptoms of this type of poisoning. Describe the pharmacological basis of treatment of the conditions. 4+6

Group – B

2. Explain why (*any three*) : 3 x 3
- a) Montelukast is not used in acute attack bronchial asthma
 - b) Iron and folate supplementation are recommended routinely during pregnancy.
 - c) Low molecular weight heparine preparations are superior.
 - d) Adrenaline injection is given in anaphylactic shock.

Group – C

3. Briefly outline the mechanism of action of (*any three*) : 3 x 3
- a) Mosapride is prokinetic agent
 - b) GTN in angina pectoris
 - c) Olmesartan as antihypertensive agents
 - d) Cyanocobalamine as haematinic agent

Group -D

4. Write short notes on (*any four*) : 4 x 3
- a) Losartan
 - b) Therapeutic index
 - c) Enzyme induction
 - d) Physical retribution of drugs
 - e) Receptor antagonism