

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) What is meant by bioavailability of drugs? What are the measures/indices of bioavailability? Mention the factors that influence oral bioavailability of drugs. How is the bioavailability of an orally administered drug assessed? 1+2+3+4
- Or (b) Name three drugs (of different categories) that act by modifying the renin-angiotensin-aldosterone system? Mention one indication for each and briefly outline the rationale for such use. Which one(s) of these three drugs do you think should be included in the national essential medicines list of India and Why ? 12+12+3+2+2

Group – B

2. Explain why (any three) : 3 x 3
 - a) Intravenous dopamine infusion in cardiogenic shock should be closely monitored.
 - b) Folic acid supplementation is advocated in early pregnancy.
 - c) In pharmacotherapeutics, children are not viewed as miniature adults.
 - d) Pralidoxime is not used in carbamate poisoning.

Group – C

3. Outline the mechanism of action of (any three) : 3 x 3
 - a) Low molecular weight heparine in deep vein thrombosis
 - b) Allopurinol in chronic gout.
 - c) Statins as hypolipidemic agents.
 - d) Antihistamines in motion sickness.

Group -D

4. Write short notes on (any four) : 4 x 3
 - a) Diagnostic uses of drugs.
 - b) Graded dose responses.
 - c) Leukotriene antagonistics.
 - d) Magnesium sulphate.
 - e) d-Penicillamine.