

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) Enumerate drugs (analgesics or non-analgesics) used in the treatment of four different pain conditions. Briefly outline the mechanism of action in any one situation. Comment on the safety concerns associated with the use of NSAIDs. Enumerate opioid receptor antagonists and mention their uses. 4+2+2+2
- Or, (b) Classify the drugs used in the treatment of pulmonary tuberculosis. Explain why antituberculosis drugs are used in combination. Mention the commonly encountered adverse reactions of anti tuberculosis drugs. How would you treat a case of multi-drug resistant tuberculosis? 3+2+3+2

Group – B

2. Explain why (any three) : 3 x 3
 - a) Oxytocin and methylergometrine both are routinely requisitioned in an obstetric care unit.
 - b) Patients of parkinson's disease on L-dopa therapy are cautioned not to indulge in self-medication with OTC multivitamin preparations.
 - c) Oral chloroquine therapy in malaria is started with a loading dose.
 - d) Probenecid is combined with penicillins.

Group – C

3. Briefly outline the mechanism of action of (any three) : 3 x 3
 - a) Combined oral contraceptive pills
 - b) N-acetylcysteine in paracetamol poisoning.
 - c) Lactulose in hepatic encephalopathy.
 - d) Metformine in diabetes mellitus.

Group – D

4. Write short notes on (any four) : 4 x 3
 - a) Antibiotic-associated diarrhoea
 - b) Lithium carbonate
 - c) Chelating agents
 - d) Mebendazole
 - e) Chemoprophylaxis