Unit 4: Pharmacology of Drugs Acting on Central Nervous System (Part 1)

10 Mark Questions

1. Describe neurohumoral transmission in the CNS, with special emphasis on neurotransmitters like GABA, glutamate, glycine, serotonin, and dopamine.
2. Classify general anesthetics and pre-anesthetics. Discuss their stages, mechanisms of action, and adverse effects.
3. Explain sedatives, hypnotics, and centrally acting muscle relaxants: their classification, mechanisms, therapeutic uses, and differences.
4. Discuss anti-epileptic drugs: classification, mechanisms of action, therapeutic uses, and adverse effects.
5. Elaborate on alcohols and disulfiram: pharmacological effects of ethanol, its toxicity, and the role of disulfiram in alcohol dependence.

5 Mark Questions

1. What are the stages of general anesthesia?
2. Classify anti-epileptics with examples.
3. Describe the mechanism of action of benzodiazepines as sedatives.
4. Explain the role of GABA in CNS transmission.
5. Discuss the adverse effects of alcohol.
6. What is disulfiram reaction?

2 Mark Questions

1. Name two CNS neurotransmitters.
2. What is a pre-anesthetic?
3. Define hypnosis.
4. Name an anti-epileptic drug.
5. What is ethanol's effect on CNS?
6. Define sedative.
7. What is glutamate's role?
8. Name a centrally acting muscle relaxant.
9. What is disulfiram used for?
10. Define epilepsy.