

Unit 3: Pharmacology of Drugs Acting on Peripheral Nervous System

10 Mark Questions

1. Describe the organization and function of the autonomic nervous system (ANS). Explain neurohumoral transmission and co-transmission, including the classification of neurotransmitters.
2. Classify parasympathomimetics and parasympatholytics with examples. Discuss their mechanisms of action, pharmacological effects, and therapeutic uses.
3. Explain sympathomimetics and sympatholytics, including their classification, mechanisms, and clinical applications.
4. Discuss neuromuscular blocking agents and peripheral skeletal muscle relaxants. Describe their types, mechanisms, and uses in surgery and other conditions.
5. Elaborate on local anesthetic agents: their classification, mechanism of action, routes of administration, and adverse effects. Discuss drugs used in myasthenia gravis and glaucoma.

5 Mark Questions

1. Explain the role of acetylcholine in neurohumoral transmission.
2. Classify neuromuscular blocking agents with examples.
3. Describe the pharmacological actions of atropine.
4. What are the therapeutic uses of adrenergic drugs?
5. Explain the mechanism of action of local anesthetics.
6. Discuss drugs used in the treatment of glaucoma.

2 Mark Questions

1. What is ANS?
2. Name two parasympathomimetics.
3. Define co-transmission.
4. What is myasthenia gravis?
5. Name a local anesthetic agent.
6. What is the role of norepinephrine?
7. Define sympatholytic.
8. Name a drug used in glaucoma.
9. What is a neuromuscular blocker?
10. Define peripheral muscle relaxant.