

10 MARKS

1. What are cholinergic agonists? Discuss the structural activity relationship of cholinergic agonist. Outline the synthesis of Neostigmine.
2. Outline the synthesis and medicinal uses of (a) Ipratropium bromide (b) Neostigmine (c) Carbachol (d) Dicyclomine hydrochloride
3. a) Classify Para sympathomimetic agents with examples.
b) Discuss the structural activity relationship of cholinergic agonist.

5 MARKS

1. Write a note on synthetic cholinergic blocking agents.
2. Arrive biosynthesis and catabolism of acetyl choline.
3. a) Explain the biosynthesis and catabolism of acetylcholine
b) Explain the muscarinic and nicotinic receptors and their distribution.
4. Classify cholinergic blocking agents. Outline the synthesis of Dicyclomine hydrochloride.
5. Write a note on cholinergic blocking agents
6. Describe the chemistry of irreversible inhibitors of cholinesterase and their mode of action.
7. Explain the structural considerations of solanaceous alkaloids.
8. Outline the synthesis of iprotropium bromide and mention its uses
9. Classify parasympathomimetic agents and discuss the structural activity relationship.
10. Describe about cholinesterase re-activators.
11. Classify parasympathomimetic agents with examples

12. Write a note on cholinergic receptors and their distribution.
13. Describe in detail the structural activity relationship of cholinolytic agents.
14. SAR of cholinolytic agents.
15. Classify cholinergic blocking agents. Outline the synthesis of Dicyclomine hydrochloride
16. Outline the synthesis of Neostigmine
17. Write the synthesis of Ipratropium bromide.

2 MARKS

1. Cholinesterase reactivator.
2. Cholinergic receptors.
3. Write the structure of pralidoxime hydrochloride and its uses.
4. Sketch the structure of procyclidine and its uses.
5. Cholinergic receptors
6. What happens on α substitution on choline moiety in cholinergic agonist?
7. Write the structure and uses of Pilocarpine
8. What are cholinergic receptors?
9. Write the structure and uses of Tropicamide.
10. Solanaceous alkaloids.
11. Uses of cholinomimetic alkaloids.
12. Structure and uses of Carbachol.
13. Structure and uses of atropine.
14. Cholinergic receptors.
15. Types of Cholinergic Receptors.
16. Cholinesterase Inhibitors.
17. Structure and uses of Cyclopentolate Hydrochloride.
18. Structure and uses of Pralidoxime chloride.