

UNIT - I

SHORT QUESTIONS

1. Define Pharmacology (v.v.imp)
2. Define Phamacophore. (v.imp)
3. Define Pharmacodynamics (v.imp)
4. What is API? Explain.
5. What are generic names and trade names of drugs? Give examples
6. Give the generic name and wade name for any two drugs

UNIT - I

LONG QUESTIONS

1. Write an explanatory note on "Metabolites & Antimetabolites. (v.v.imp)
2. Define the term 'Drug' and explain the characteristics of drugs.
3. Give the classification of drugs based on structures. Give suitable examples.
4. Give the classification of drugs based on therapeutic activity with examples

(OR)

5. Discuss about routes of administration of drugs
6. Explain the following:
 - i) Toxicity
 - ii) Phase I and phase II reactions

UNIT - II

SHORT QUESTIONS

1. Define the following (a) Enzyme (b) Receptor.
2. What are inhibitors? Explain with an example.
3. What is reversible and irreversible inhibition of enzymes? Give examples.
4. What are drug receptors?
5. What are agonists and antagonists? Give examples
6. Explain briefly the role of OH group and double bond in drug complex formation
7. Discuss the binding role of quaternary ammonium salts.

UNIT - II

LONG QUESTIONS

1. Describe the mechanism of enzyme action.
 2. Write the mechanism of enzyme catalyzed reactions
 3. Discuss about different types of enzyme inhibition
 4. Explain the factors affecting the enzymatic reactions
- (OR)**
5. Discuss the mechanism of drug action.
 6. Explain the concepts of agonists and antagonists with examples.
 7. Explain the mechanism of drug action and concept of agonist and antagonist.
 8. Explain the binding role of -OH group in drug receptor.
 9. Explain structure-activity relationship of drug molecules.
 10. Explain the structure activity relationship studies of Sulfonamides

UNIT - III

SHORT QUESTIONS

1. Write the synthesis and therapeutic activity of Dapsone
2. What is therapeutic activity?
3. Describe the therapeutic action of Penicillin.
4. Discuss the synthesis of sulphanimide.
5. Write about anti-inflammatory drugs.
6. Write about any two drugs to treat metabolic disorder.
7. What are anti-diabetic and antipyretic drugs? Give one example for each

UNIT - III

LONG QUESTIONS

1. Write the semi synthesis and therapeutic activity of Penicillin-G
2. Explain the synthesis and therapeutic activity of Chloroquin and Cisplatin. (v.imp)
3. Explain the synthesis and therapeutic activity of sulphanimide and chloroquin.

(OR)

4. Describe the activity of drugs in the treatment of diabetics with an example.
5. Give a brief account of the drugs acting on nervous system.
6. Define and classify the anesthetics with suitable examples.
7. Discuss about general and local anesthetics

UNIT - IV

SHORT QUESTIONS

1. What are "Molecular messengers"? Explain with an example.
2. What are hormones? Give two examples (v.imp)
3. Give an example for antithyroid and adrenergic drugs.
4. Discuss about dopamine.
5. Explain how drugs act on renal system.
6. what are micronutrients? How Na and Ca and helpful for good health?
7. What are vitamins?

UNIT - IV

LONG QUESTIONS

1. Write a note on "Neurotransmitter". Explain with an example.
2. Discuss the significance of Adrenergic drugs with examples.
3. What are adrenergic drugs? Write the structure and therapeutic
4. Explain the significance and action of serotonin and fluoxetine.
5. Discuss about the drug action of Depamine and Levodopa

(OR)

6. Explain the deficiency disorders and remedy of micronutrients.
7. What are micronutrients? Describe the significance of Na and K in the biological system.
8. Describe the sources, deficiency disorders and remedy of vitamin C and E.
9. Discuss about the sources and deficiency disorder of water soluble vitam
10. Write about the deficiency disorders of A. D. E vitamins