

chemistry VI sem Medicinal chemistry.

Unit-1 Introduction and Terminology

1. What is diseases? Write about types of diseases?
2. Define the Following Terms.
 - (a) pharmacology
 - (b) pharmacodynamics
 - (c) pharmacokinetics.
 - (d) pharmacophore
3. Write about Metabolites and Anti Metabolites?
4. Write the Nomenclature of drugs (Generic name, Trade name, chemical names)
5. Explain classifications of Drugs Based on the Structure and Therapeutic activity with examples?
6. write briefly about ADME of drugs?

Unit-2 - Enzymes and Receptors

1. what is Enzyme catalysis? Explain there factors.
Effecting (characteristics) of the Enzyme catalysis reactions?
2. What is Enzyme inhibition? Explain about Reversible and Irreversible Inhibition with Examples?
3. Write about Agonists and Antagonists?

4. Explain The mechanism of drug Action?

(or)

Explain about Transports and Ion channels?

5. Explain the Role of $-OH$, NH_2 , double bond, Quaternary Ammonium ion in structure Activity relationship of a drug?

6. Explain the structure Activity Relationship of a sulphamide?

Unit 3 Synthesis and Therapeutic Activity of Drugs.

1. what are chemotherapeutic drugs?

2. Explain synthesis and drug action of

(a) sulphamamide (b) dapsone

3. write a short note on penicillin and Their classification of penicillin?

4. Give the synthesis and uses of the following drugs.

(i) chloroquin (ii) Isoniazid (iii) cisplatin

5. what are Anti diabetic drugs? Give the synthesis of Tolbutamide.

6. what are Anti-Inflammatory drugs? Give the synthesis of Ibuprofen.

7 write the synthesis and action of

① paracetamol ② Aspirin ③ omeprazole

8 what are Cardiovascular drugs? Give the synthesis of Glycerol Nitrate?

9 write a short note on Anesthetics?

Unit-4 Molecular Messengers and Vitamins and Micro nutrients

1. what are vitamins? Explain water soluble fat soluble vitamins?

2. Explain the Micro Nutrients briefly with Examples?

3. what is Thyroid Hormones? Explain Anti Thyroid drug. carbimazol

4. Explain Adrenergic drugs

① salbutamol ② atenolol ③ Albuterol

5. Explain serotonin and discuss. SSIR's. drug Fluoxetine?

6. Explain dopamine? discuss structure, synthesis, Therapeutic Activity of L-dopa?

For more updates join Telegram Group.