

Paper : III CHN-603-(O) Organic Chemistry

Unit : 1

- Introduction Naming of Organic Medicinal Compounds,
- Literature of Medicinal Chemistry.
- Classification of Drugs.
- Drug Design.
- Relation between molecular structure and Biological Activity.(QSAR)
- Receptor site Theory.
- Pharmacopeias, Indian standards.
- Modern methods of pharmaceutical Analysis.
- Diagnostic Agents,
- Pharmaceutical aids : Solvents, Vehicles, Flavors, Suspending agents, surfactants, Emulsifying agents.

Unit : 2

- Ⓒ Antibiotics
Classification, Synthesis and Activity of : Penicillin, Cephalosporins, Streptomycin, Tetracyclines, Actinomycine, Chloroamphenicol and Polyenes.

Unit :3

- Ⓒ Sulphadrugs :
 - Chemistry of Sulfonamides
 - Synthesis and uses : Sulphanilamides, Sulphafurazole, Sulphaguanidine, Sulphathiazole, Sulphamerazine, Sulphalene, Sulphathiadiazole, Trimethoprim.

Unit : 4

- Ⓒ Drugs stimulating or Blocking the peripheral Nervous System:
 - Cholinergic & Anticholinergic Drugs
 - Histamine & Antihistamine.
 - Local Anaesthetics.