

**M.Sc. Semester-IV**  
**Organic Chemistry Paper-III**  
**Synthetic Drugs**  
**CHNN-703(O)**

**Unit 1: Chemotherapeutic Drugs** **25% (15 Hours)**

Antimalarial Agents: Chemotherapy of Malaria, Malaria Parasite and its cycle, 4-aminoquinolines, 8-aminoquinolines, 9-aminoacridines, Di-amino pyrimidine's, Antimoebic Drugs, Anti-viral drugs and Anti-Cancer drugs

**Unit 2: CNS Drugs or Psychopharmacological Agents:** **25% (15 Hours)**

Antipsychotics, Antidepressant, Antianxiety, Hallucinogenic Drugs, Anti Convulsants, Hypnotics & Sedative, Anti Parkinsonism Drugs,

**Unit 3: Cardiac & Diuretics Drugs:** **25% (15 Hours)**

Drugs acting on the Cardiovascular, Hypertensive Drugs, Haematopoetic and Renal Systems Cardiac drugs, diuretics.

**Unit 4: Miscellaneous Drugs:** **25% (15 Hours)**

Anti-diabetic Dugs (Hypoglycemic Drugs) & Anti-Bacterial, Antitubercular and Antileprotic Drugs, Antifungal Drugs

**Basic Text & Reference Books:**

1. Medicinal Chemistry by Ashutosh Kar
2. Medicinal Chemistry by G. R. Chatwal
3. Medicinal Chemistry by D. Shriram
4. Synthetic Organic Chemistry O P Agarwal
5. Synthetic Drug J J Trivedi & K A Thakar
6. Synthetic Drug by Anamik Shah
7. Medicinal Chemistry by