

UNIT-I

Drugs interactions: Mechanism, Pharmacokinetic & Pharmacodynamic drug-drug interaction, Food-drug and drink interaction

Adverse drug reactions: Definition and classification, epidemiology, predisposing factors, pharmacovigilance & pharmacoepidemiology, mechanism of ADR & different types of ADR, Therapeutic Drug Monitoring

UNIT-II

- a) Drug therapy in
- Geriatrics
 - Pediatrics
 - Pregnancy & lactation
- b) Drug induced diseases, (Iatrogenic diseases), Teratogenicity and Carcinogenicity

UNIT-III

Various disorders and their therapeutic monitoring

- **CVS disorders :** Hypertension, Ischaemic heart disease, CHF, Cardiac arrhythmias
- **CNS disorders :** Epilepsy, Parkinsonism, Psychotropic disorders(Schizophrenia depression and mania)
- **Infectious disorders :** Gastrointestinal, respiratory and urinary infections, Endocarditis and Meningitis
- **Endocrine disorders :** Diabetes mellitus, Hypo / Hyperthyroidism, Cushing's syndrome, Addison's disease, Sexually transmitted diseases

UNIT-IV

- Clinical evaluation of drugs : Clinical trials
- Testing of Acute, Subacute and Chronic toxicity
- Determination of LD₅₀ and ED₅₀

REFERENCES:

1. Clinical Pharmacy and Therapeutics by Roger Walker and Clive Edwards
2. Clinical Pharmacy by D.R. Laurence, P.N. Bennett and M.J. Brown
3. Clinical Pharmacology by Herphendol