

PHARMACOLOGY – I

PH. 5.7 THEORY

3 hours / week

UNIT -I

- 1. General Pharmacology:** Introduction to Pharmacology, Sources of drugs, dosage forms and routes of administration, mechanism of action, Combined effect of drugs, Factors modifying drug action, tolerance and dependence, Pharmacokinetics: Absorption, Distribution, Metabolism and Excretion of drugs, Drug Addition & Drug abuse.

UNIT -II

- 2. Pharmacology of drugs acting on Peripheral Nervous System:**
 - A. Neurohumoral transmission (autonomic and somatic)
 - B. Cholinergic drugs, Cholinergic blockers, Adrenergic drugs, Adrenergic blockers, Ganglionic stimulants and blocking agents
 - C. Skeletal Muscle Relaxants
 - D. Local anaesthetic agents

UNIT -III

- 3. Pharmacology of drugs acting on Central Nervous System:**
 - A. Neurohumoral transmission in the C.N.S
 - B. General Anesthetics
 - C. Alcohol and treatment of alcoholism
 - D. Sedatives, hypnotics
 - E. Anti-epileptics drugs (Anticonvulsants)
 - F. Analgesics, Antipyretics, Anti-inflammatory and Anti-gout drugs.
 - G. Narcotic analgesics and antagonists

UNIT -IV

- H. Psychopharmacological agents – Antipsychotics (Neuroleptic drugs), Antidepressants, Psychomimetics
Anti-anxiety drugs,
- I. Anti-parkinsonian drugs
- J. C.N.S.stimulants