



## SYLLABUS

### THEORY

Drugs acting on autonomic nervous system: Neurohumoral transmission, adrenoceptors agonists and antagonists, adrenergic neuron blockers, cholinergic agonists and antagonists, ganglionic stimulants and blockers.

Autacoids: Histamine and antihistaminic agents 5 – Hydroxytryptamine and its antagonists, prostaglandins, angiotensin and bradykinin.

Drugs acting on central nervous system (CNS): Pharmacology of neurotransmitters. History of general anaesthetics and theories and anaesthesia. Inhalant, intravenous and dissociative anaesthetics; hypnotics and sedatives; tranquilizers, psychotropic drugs, anticonvulsants, opioid analgesic, non steroidal anti-inflammatory drugs, analeptics and other CNS stimulants, central muscle relaxants. Drugs acting on somatic nervous system: local anaesthetics and peripheral muscle relaxants. New drugs and drug formulations

### PRACTICAL

Demonstration of the effect of CNS depressants, analgesics, CNS stimulants, muscle relaxants, anticonvulsants, local anaesthetics in laboratory animals.

Demonstration of the action of adrenergic and cholinergic agonists and antagonists on isolated and intact preparations of the animals. Alternate use of animals as model for demonstration