

Pharmacology:

POST GRADUATE DEGREE STANDARD

1) General Pharmacology

- a) Pharmacokinetics
- b) Pharmacodynamics
- c) Adverse drug reaction and Drug interactions
- d) Principles and Mechanism of drug action
- e) Factors modifying drug action
- f) Experimental Pharmacology & Drug evaluation

2) Clinical Pharmacology

- a) Concepts of Essential drug and rational drug therapy.
- b) Embryonic and foetal pharmacology, Perinatal pharmacology, Geriatric pharmacology
- c) Ethical and Modalities of new drugs development-(Preclinical studies and clinical trials)
- d) Placebo
- e) Pharmacokinetic and Dynamic changes in diseases

3) Toxicology

- a) Principles of toxicology and treatment of poisoning
- b) Heavy Metals and their Antagonists
- c) Non metallic environmental toxicants
- d) Drug dependence and treatment

4) Ocular Pharmacology

5) Dermatological Pharmacology

6) Therapeutic gases

7) Autonomic Nervous System

a) Adrenergic System

b) Cholinergic System

- c) Parkinsonism
- 8) Cardio Vascular System
 - a) Drugs used in Heart Failure
 - b) Drugs used in Ischaemic Heart Diseases
 - c) Antiarrhythmic Agents
 - d) Antihypertensives
 - e) Lipid lowering drugs
 - f) Management of Shock
- 9) Blood
 - a) Haemopoietic agents
 - b) Haemostatics, Anticoagulants, thrombolytics and antiplatelets.
- 10) Renal Pharmacology
 - a) Drugs affecting renal conservation of water
 - b) Diuretics
 - c) Nephrotoxic Drugs.

PAPER - II

- 1) Central Nervous System
 - a) General Anaesthetics
 - b) Analgesics - Opioids and NSAIDS
 - c) Antiepileptics
 - d) Psychopharmacology
 - e) Hypnotosedatives
 - f) Pharmacotherapy of Migraine
- 2) Local Anaesthetics
- 3) Autocoids and their Antagonists
- 4) Respiratory System
 - a) Bronchial Asthma
 - b) Antitussives
 - c) Mucolytics

- d) Nasal Decongestants
- 5) Immuno Modulators
- 6) Enzymes in Therapy and Vitamins
- 7) Hormones and Their antagonists
- 8) Chemotherapy
 - a) General Principles of Chemotherapy
 - b) Chemotherapy of Microbial diseases including viral and fungal infection
 - c) Chemotherapy of Parasitic diseases
 - d) Chemotherapy of Malignancy
 - e) Antiseptics and disinfectants
- 9) Drugs acting on uterus
- 10) Gastro intestinal System
 - a) Drugs used in peptic ulcer
 - b) Drugs used in diarrhoea and constipation
 - c) Drugs used in vomiting.