

Syllabus

Module 01

10hours

Pharmacology of Drugs Acting on Respiratory System

- Anti -asthmatic drugs.
- Drugs used in the management of COPD.
- Expectorants and antitussives.
- Nasal decongestants.
- Respiratory stimulants.

Pharmacology of Drugs Acting on The Gastrointestinal Tract

- Antiulcer agents.
- Drugs for constipation and diarrhoea.
- Appetite stimulants and suppressants.
- Digestants and carminatives.
- Emetics and anti-emetics.

Module 02

10hours

Chemotherapy

- General principles of chemotherapy.
- Sulfonamides and cotrimoxazole.
- Antibiotics- Penicillins, cephalosporins, chloramphenicol, macrolides, quinolones and fluoroquinolins,
- Tetracycline and aminoglycosides

Module 03

10hours

Chemotherapy

- Antitubercular agents
- Antileprotic agents
- Antifungal agents
- Antiviral drugs
- Anthelmintics
- Antimalarial drugs
- Antiamoebic agents

Module 04

08hours

Chemotherapy

- Urinary tract infections and sexually transmitted diseases.
- Chemotherapy of malignancy.

Immunopharmacology

- Immunostimulants
- Immunosuppressant
- Protein drugs, monoclonal antibodies, target drugs to antigen, biosimilars

Module 05

07hours

Principles of Toxicology

- Definition and basic knowledge of acute, subacute and chronic toxicity.
- Definition and basic knowledge of genotoxicity, carcinogenicity, teratogenicity and mutagenicity
- General principles of treatment of poisoning
- Clinical symptoms and management of barbiturates, morphine, organophosphorus compound and lead, mercury and arsenic poisoning.

Chronopharmacology

- Definition of rhythm and cycles.
- Biological clock and their significance leading to chronotherapy.