

CLINICAL PHARMACY & THERAPEUTICS

PH.8.3 THEORY

3 hours/week

UNIT -I

1. Introduction to Clinical Pharmacy
2. Basic concepts of Pharmacotherapy:
3. The Basics of Drug Interactions with suitable examples: Pharmacokinetic drug interactions, pharmacodynamic drug interactions, food and drug interactions, alcohol and drug interactions

UNIT -II

4. Important disorders of organ systems and their management: Cardiovascular Disorders – Hypertension, Congestive Heart, Failure, Angina, Acute Myocardial infarction, Cardiac arrhythmias, CNS Disorders : Epilepsy Parkinsonism, Schizophrenia, Depression Respiratory Diseases – Asthma

Gastrointestinal Disorders – Peptic ulcer, Ulcerative colitis, Hepatitis, Cirrhosis

Endocrine Disorders – Diabetes mellitus and Thyroid Disorders.

UNIT – III

Infectious Diseases – Tuberculosis, Urinary Tract Infection, Enteric infections, Upper Respiratory Infections

Haematopoietic Disorders – Anemias

Joint and Connective Tissue Disorders – Rheumatic Disease, Gout and Hyperuricemia

Neoplastic Diseases – Acute Leukemias, Hodgkin's diseases

UNIT -IV

5. Therapeutic Drug Monitoring.
6. Concept of Essential Drugs and Rational Drug use.
7. Adverse drug reactions and approaches to minimize them

RECOMMENDED BOOKS:

1. Remington the Science and Practice of Pharmacy
2. Clinical Pharmacology by Laurence, Bennett and Brown
3. Medical diagnosis and treatment by Tierney, Mc phee and Papadakis