

## CLINICAL PHARMACOLOGY-

( P.G. STANDARD) FOR THE POST OF

### DRUG INSPECTOR

#### 1. Topics in drug therapy

a. Patient compliance, Doctor compliance and self medication,

Placebo medicines and pharmaco economics.

b. Discovery and development of drugs

i. Preclinical studies in animals

ii. Orphan drugs and diseases.

iii. Clinical trials

iv. Official regulatory guidelines

v. Pharmacoepidemiology and pharmacovigilance

II a. Pharmacogenetics

b. Adverse drug reactions and monitoring

c. Clinical importance of drug interactions (both pharmacokinetic and pharmacodynamic interactions with special reference to antibiotics, anti bacterials, NSAIDS and cardiovascular drugs)

d. Therapeutic drug monitoring

III Drug therapy in

a. Geriatrics

b. Pediatrics

c. Pregnancy and Lactation

IV. Chemotherapy of viral, fungal, protozoal and helminthic infections and Neoplastic diseases.

V. Drugs acting on CNS

(Pain, Narcotics, NSAIDS, Epilepsy, Sedatives and Hypnotics and Psychopharmacological drugs)

VI. Cardiovascular drugs.

VII. Endocrinology

VIII. Drugs acting on ANS and Neuro degenerative disorders.

IX. Drugs acting on Hemopoietic system, Renal and GIT.

X. Immunopharmacology.

Cell and biochemical mediators involved in allergy, immuno modulation and inflammation, hypersensitivity reactions therapeutic agents for allergy asthma and COPD. References.

1. Clinical Pharmacology. P.N. Bennet and D. R. Laurence.

2. Oxford text book of clinical pharmacology and drug therapy. P.G.

Grahame- Smith and J.K. Aronson.

3. Dipiro, Joseph L.M. Pharmacotherapy: A Pathophysiological Approach, Elsevier.

4. Tusslem T.G., Pathology and Therapeutics for pharmacists: A basis for clinical pharmacy practice. Chapman and Hall, Newyork

5. Herfindalm E.T. and Hirschman, J.L., Clinical Pharmacy and Therapeutics

6. Koda and Kimble, Applied Therapeutics The clinical usage of drugs

.

7. Davidson's Principles of Internal medicine Vol I and II, Mc Graw-Hill

8. Harrison's Principle and practice of medicine, Churchill-Livingston.

9. Oxfords text book of medicine, Blackwell Science

10. Patten, J. Neurological Differential diagnosis.

11. Bickley, L.S., Bate's guide to physical examination and history taking.

Lippincott

12. Walton, J., Boain's. Disease of nervous system.