

PHARMACOLOGY-III

THEORY 3Hrs/Week

UNIT-I

1. Pharmacology of drugs acting on Gastrointestinal tract:

- Antacids, Anti-secretory and Anti-ulcer drugs.
- Laxatives and antidiarrhoeal drugs.
- Emetics and Anti-emetics.
- Appetite stimulant and suppressant.

UNIT-II

2. Pharmacology of drugs acting on Endocrine system:

- Hypothalamic and pituitary hormones.
- Thyroid hormones and anti-thyroid drugs.
- Parathormone, calcitonin and Vitamin-D.
- ACTH and corticosteroids.
- Androgen and anabolic steroids.
- Estrogen, progesterone and oral contraceptive.
- Insulin, glucagon and oral hypoglycemic agents.

UNIT-III

3. Antimicrobial drugs-I:

- General principle of chemotherapy
- Sulfonamides, cotrimoxazole, quinolones.
- Penicillin, cephalosporin.
- Tetracycline, chloramphenicol.
- Aminoglycoside antibiotic.
- Macrolides.

UNIT-IV

4. Antimicrobial drugs-II:

- Anti-tubercular and Anti-leprotic drugs.
- Anti-malarial drugs.
- Anti-viral and Anti-retroviral drugs.
- Anti-fungal drugs.
- Anti-helminthics drugs.

UNIT-V

5. Miscellaneous:

- Anti-neoplastic and immunosuppressive drugs.
- Introduction to preclinical and clinical evaluation of new drugs, pharmacovigilance

Books Recommended

1. Essentials of Medical Pharmacology by K.D. Tripathy
2. Pharmacology & Pharmacotherapeutics by Santoshkar & P Sen
3. Pharmacology by Prasun K Das, S.K. Bhattacharya and P.Sen
4. The Pharmacological basis of the Therapeutics by Goodman & Gilman
5. Pharmacology by Rang, Dale & Ritter
6. Basic and Clinical Pharmacology by B.G.Katzung