

DEPARTMENT OF PHARMACOLOGY

II YEAR BDS

SYLLABUS COVERED

- 1) Introduction to pharmacology
- 2) Routes of drug administration
- 3) Pharmacokinetics
 - Drug transport
 - Drug absorption
 - Drug distribution
 - Drug biotransformation
 - Drug excretion
 - Kinetics of elimination
- 4) Pharmacodynamics
 - Principles of drug action
 - Mechanism of drug action
 - Combined effect of drugs
 - Drug dosage
 - Factors modifying drug action
- 5) Adverse drug effects
- 6) General anesthetics
 - Pre anesthetic medication
 - Skeletal muscle relaxants
- 7) Drugs of GIT
 - Drugs for peptic ulcer
 - Antiemetics
 - Treatment of GERD
 - Laxatives
 - Treatment of diarrhoea
- 8) Vitamins
 - Fat & water soluble vitamins
- 9) Non steroidal anti inflammatory drugs
 - Analgescics
 - Antipyretics

- 10) Local anaesthetics
 - Uses & techniques of LA
 - LA in dentistry
- 11) Antimicrobial drugs
 - Drug resistance
 - Superinfection
 - Choice of an antimicrobial agent
 - Combined use of antimicrobials
 - Prophylactic use of anti microbials
- 12) Sulforamides, Cotrimoxazoles, Quinolones & Nitromidazoles
- 13) Betalactam antibiotics
- 14) Tetracyclines, Chloramphenicol, Aminoglycoside antibiotics
- 15) Macrolides & other antibacterial drugs
- 16) Antitubercular and antileprotic drugs
- 17) Antifungal drugs
- 18) Antiviral drugs
- 19) Antiprotozoal and antihelminthic drugs
- 20) Antiseptics, disinfectants
- 21) Drugs used in dentistry
 - Antiplaque and antigingivitis
 - Antibiotics in periodontal disease
 - Desensitizing agents
 - Mummifying agents
 - Dentrifices