

DRUG AND PHARMACEUTICAL TECHNOLOGY

UNIT - I

Development of Drug and Pharmaceutical Industry: Therapeutic agents, their use and economics- Regulatory aspects.

UNIT - II

Drug metabolism: physico chemical principles, radio activity-pharma kinetic action of drugs on human bodies.

UNIT - III

Bulk drug manufacturers- Type of reactions in bulk drug manufacture and processes- Special requirement for bulk drug manufacture.

UNIT - IV

Compressed table- wet granulation-dry granulation or slugging-direct compression-tablet presses- coating of tablets, capsules-sustained action dosage forms-parental solution-oral liquids-injections-ointment-topical applications- Preservation, analytical methods and test for various drug and pharmaceuticals-packing: packing techniques, quality management, GMP.

UNIT - V

Therapeutic categories such as vitamins-laxatives- analgesics- nonsteroidal contraceptives- Antibiotics, biologicals- hormones.

Reference Books

1. Leon Lachman et al, *Theory and Practice of Industrial Pharmacy*, 3 Edition, Lea and Febiger, 1986.
2. Remington's, *Pharmaceutical Science*, Mark Publishing and Co.