

## HOSPITAL AND COMMUNITY PHARMACY

15PH206 THEORY

3 hours/week

### UNIT – I

- 1. Objectives and Functions, Locations, Organization and Structure:** Organization of a hospital and hospital pharmacy, responsibilities of a hospital pharmacist.
- 2. Drug Committees:** Including infection control and ethics committee, Pharmacy and therapeutic Committee, budget preparation and implementation.
- 3. Hospital Formulary:** Contents, preparation and revision of hospital formulary.

## UNIT – II

**4. Drug Store Management and Inventory Control:** (a) Organization of drug store, Type of materials stocked, storage conditions. (b) Purchase and Inventory Control principles, purchase procedures, Purchase order, Procurement and stocking.

**5. Drug distribution System in Hospitals:** (a) Outpatient dispensing, methods adopted. (b) Dispensing of drugs to in-patients. Types of drug distribution systems. Changing policy, labeling.

## UNIT – III

**6. Central Sterile Supply Unit and their Management:** Types of materials for sterilization, packing of materials prior to sterilization, sterilization equipments, Supply of sterile materials.

**7. Manufacture of Sterile and Nonsterile Products:** Policy making of manufacturable items, demand and costing, personnel requirements, manufacturing practice, master formula card, production control, manufacturing records.

**8. Surgical Products:** Definition, Primary wound dressing, absorbents, surgical cotton, surgical gauzes, bandages, adhesive tape, protective cellulosic hemostastics, dressings, absorbable and nonabsorbable sutures, ligatures and catguts.

## UNIT – IV

**9. Community Pharmacy:** Definition, role of pharmacist in community health care and education. Professional responsibilities of community pharmacist (WHO Model).

**10. Structure of retail and wholesale drug store:** Types of drug store and design. Legal requirements for establishment, maintenance and drug store-dispensing of proprietary products, maintenance of records of retail and wholesale.

## UNIT – V

**11. Over-the counter (OTC) sales:** Rational use of common OTC medications (Vitamins and tonics, iron preparations, analgesics, NSAIDs, cough mixtures, anti-diarrhoeal preparations)

**12. Primary health care in community pharmacy:** Family planning, First aid, participation in primary health programs, Smoking cessation, Screening programs, Nutrition, Responding to common ailments.

**13. First Aid:** Emergency treatment of shock, snakebites, burns, poisoning, fractures and resuscitation methods.

## RECOMMENDED BOOKS:

1. Hassan William E., Hospital Pharmacy (Lea & Febiger, Philadelphia)
2. Nand P., Khar R.K., Text book of Hospital & Clinical Pharmacy (Birla publication, Delhi)
3. Dandiya P.C. & Mathur M., A text book of Hospital & Clinical Pharmacy. (Vallabh Prakashan, Delhi)
4. Role of Pharmacist in the Health care system, WHO/ PHArm/94.569
5. Remington's sciences and practice of Pharmacy; 20th edition Lippin cott. Williams and Welkens.
6. Text Book of Drug Store and Business Management by Jyothi & Ali
7. Text Book of Pharmacy Practice by Leon Shargel.