

# **Dispensing Technique-I**

## **Course contents**

### **A. Introduction**

- Responsibility of Dispenser
- Health care system in Pakistan
- Basic Terminologies

### **B. Systems and its Associating Diseases**

#### **1. Introduction to Respiratory System**

- Pneumonia,
- Chronic Obstructive airway diseases (COAD)
- Bronchial Asthma
- Pulmonary Tuberculosis (TB)
- Respiratory Failure

#### **2. Introduction to Cardiovascular systems**

- Hypertension (HTN),
- Ischemic heart disease (IHD)
  - a. Angina
  - b. Myocardial infarction (MI),
- Cardiomyopathy:

- Congestive cardiac failure (CCF)

### **3. Introduction to Gastro intestinal system**

- Gastroesophageal Reflux disease (GERD)
- Peptic ulcer / Duodenal ulcer
- Gastroenteritis
- Hepatitis and its types
- Appendicitis,
- Cholecystitis,
- Intestinal obstruction,
- Haemorrhoids,
- Hernia

### **4. Introduction to Central nervous system**

- Cerebro Vascular Accident (Stroke)
- Epilepsy,
- Meningitis /Encephalitis,
- Bell's Palsy
- Head injury, Spinal injury

### **5. Introduction to Renal System,**

- Urinary tract infection(UTI),
- Renal stone/ureteric stone/vesicle stone,
- Renal failure (acute and chronic)
- Cystitis
- Prostatic Diseases

## **6. Introduction to ENT /EYE**

- Tonsillitis /Laryngitis/ pharyngitis
- Allergic Rhinitis
- Deviated Nasal septum
- Suppurative otitis media
- Epistaxis
- Foreign Body
- Conjunctivitis /ophthalmitis/ blepharitis
- Dacryocystitis
- Corneal ulcer/ cornea opacity
- Cataract
- Glaucoma
- Squint
- Visual acuity disorder

## **7. Introduction to Endocrine System**

- Diabetes Mellitus (DM)
- Hyperthyroidism / Hypothyroidism
- Pancreatitis

## **8. Introduction to Blood**

- Anaemia and its types

## **9. Infectious Diseases**

- Enteric Fever,
- Cholera,
- Dysentery,
- Malaria,
- Measles,
- Mumps

- Chickenpox,
- Polio,
- Warm infestation,
- COVID19,
- Influenza,
- HIV/AIDS

#### **10. Dermatology**

- Dermatitis,
- Scabies,
- Eczema,
- Psoriasis,
- Vitiligo,
- Insect bite
- Herpes

#### **11. Introduction to Musculoskeletal system**

- Bone fracture and it types,
- Dislocation,
- Joint disorder

#### **12. Introduction to Male and Female Reproductive system**

- Menstrual cycle disorder,
- Pelvic Inflammatory diseases (PID)

## **Practicals for Dispensing Technic HSSC-I**

### **1. Anatomical Models / Charts for different Systems**

### **2. Slides Showing Diseases of Different Systems**

### **3. Instruments and its applications**

- I/V cannula administration
- N/G tube insertion
- Foley catheter insertion
- Use of Flatus Tubes
- Stomach wash / bladder wash
- Surgical dressing /Wound care
- Use of Nebulizer
- Stitch of wound / removal of stitch
- Enema administration
- Use of Thermometer and its readings
- Use of Stethoscope
- Use of sphygmomanometer (BP Apparatus)
- Use of lumbar Puncture Needle
- Use of pulse oximeter
- Use of Cardiac Monitor
- Use of Suction of Machine
- Use of Oxygen concentrator / Cylinder
- Use of Sterilizers / Autoclave
- Types of Splints
- Bandages and its types