

**PHARMACY PRACTICE-III (COMPUTER AND ITS APPLICATION IN PHARMACY) Practical**

**Paper 12**

**Marks 50**

1. **INTERNET AND E-MAIL:** Internet and Microsoft Internet Explorer 5, Addresses, Links and Downloading, Searching the Internet, E-mail and Newsgroups, Favourites, security and Customizing Explorer.
2. **WEB PAGE DEVELOPMENT:** Introduction to Front-page, Creating a First Web site, Basic Formatting Techniques, Manipulating Tables within Front-page, Front-page, Picture and MultiMedia, Hyper linking, Bookmarks and Image Maps, Introducing Front-page “components”, Front-page and Frames, Managing your Web, Good site design, Publishing and publicizing.
3. **DATA PRESENTATION SKILLS:** MS-Word, MS-Excel, MS-Power point.
4. **UNDERSTANDING AND APPLICATION OF STATISTICAL PACKAGES:** SPSS, Kinetica, Med Calc.

**FOURTH PROFESSIONAL**

**PHARMACY PRACTICE-IV (HOSPITAL PHARMACY) (Theory)**

**Paper 1**

**Marks 100**

1. **INTRODUCTION:**
  - a. Role of Pharmacist in Hospital
  - b. Minimum standards for pharmacies in Institutions/Hospitals
  - c. Research in Hospital Pharmacy
2. **HOSPITAL AND ITS ORGANIZATION:**
  - a. Classification of Hospitals
  - b. Organizational Pattern
  - c. Administration
  - d. Clinical Departments
  - e. Nursing, Dietetic, Pathology, Blood Bank, Radiology and other supportive services etc.
  - f. Role of Pharmacy in Hospital
  - g. Hospital Finances
3. **PHARMACY, ITS ORGANIZATION AND PERSONNEL:**
  - a. Pharmacy specialist
  - b. Drug information Centre
  - c. Poison Control Centre and Antidote Bank
  - d. Pharmacy Education
  - e. Determining the Need of Professional and other departmental staff
  - f. Professional services rendered

4. **PHARMACY AND THERAPEUTIC COMMITTEE:**
5. **THE HOSPITAL FORMULARY:**
  - a. General Principles and guidelines to develop Formulary
  - b. Format
  - c. Preparation of the Formulary
  - d. Role of Pharmacist
  - e. Benefits and problems
  - f. Keeping up to date Formulary
6. **DISPENSING TO IN-PATIENTS:**
  - a. Methods of Dispensing & SOP's
  - b. Unit dose dispensing
  - c. Other concepts of dispensing, Satellite Pharmacy etc.
7. **DISPENSING TO AMBULATORY PATIENTS:**
8. **DISTRIBUTION OF CONTROL SUBSTANCES:**
9. **DISPENSING DURING OFF-HOURS:**
10. **SAFE USE OF MEDICATION IN THE HOSPITAL:** Medication error; Evaluation & Precautions of Medication Error; Role of Pharmacist in Controlling Medication Error.
11. **MANUFACTURING BULK AND STERILE:**
12. **THE PHARMACY; CENTRAL STERILE SUPPLY ROOM:**
13. **ASEPTIC DISPENSING:** TPN, I/V Admixtures, Cytotoxic Dispensing, Semi-sterile Dispensing (Eye drops, Ear drops) and Hyperalimentation.
14. **ROLE OF PHARMACIST IN SMALL HOSPITALS, NURSING HOMES etc:**
15. **PURCHASING, DISTRIBUTION AND CONTROL OF HOSPITAL MEDICINES, MEDICAL & SURGICAL SUPPLIES:** Purchasing, Stocking, Stock Control, Inventory Management, Drug Distribution, Relationship between purchasing, Distribution and Clinical Pharmacy Services.
16. **NUCLEAR PHARMACY:**
17. **THE PHYSICAL PLANT AND ITS EQUIPMENT:**
18. **INVESTIGATIONAL USE OF DRUGS:**
19. **HEALTH ACCESSORIES:**
20. **SURGICAL SUPPLIES:**
21. **INSPECTION OF WARDS WITH REFERENCE TO DRUG STORAGE AND ADMINISTRATION:**
22. **MANAGEMENT OF ACCIDENT & EMERGENCY PHARMACY (A & E):**