

Pharmacy Technician Training Program

WEEK #1

INTRODUCTORY TOPICS IN PHARMACY

- A. Introduction to Drugs
- B. History of Pharmacy
- C. The Pharmacist & Pharmacy Technician
- D. Pharmacy Practice Settings

MANUFACTURED DRUGS

- A. New Drug Development
- B. Current Good Manufacturing Processes (cGMPs)
- C. Medication Labeling & Storage
- D. Drug Returns

DRUG INFORMATION

- A. Drug Information for the Pharmacy Technician-1
- B. Drug Information for the Pharmacy Technician-2
- C. Drug Information for the Pharmacy Technician-3
- D. Drug Information for the Pharmacy Technician-4

PHARMACY MATH-1

- A. Roman Numerals
- B. Ratios & Proportions
- C. Ratio to Fraction to Decimal
- D. Roman Numeral Review

PROFESSIONALISM TOPIC: ATTITUDE

WEEK #2

DOSAGE FORMS AND ROUTES OF ADMINISTRATION

- A. Dosage Form
- B. Routes of Administration
- C. Enteral Routes of Administration
- D. Parenteral Routes of Administration Part 1
Parenteral Routes of Administration Part 2

PRESCRIPTION PROCESS

- A. Medical Terminology
- B. Prescription Process
- C. Considerations for the Prescription
- D. Hospital Orders

THERAPEUTIC AGENTS – CARDIOVASCULAR SYSTEM

- A. Anatomy of the Cardiovascular System
- B. Physiology of the Cardiovascular System
- C. Disorders of the Cardiovascular System
- D. Drugs for the Cardiovascular System

PHARMACY MATH-2

- A. Ratio and Proportion Review
- B. Ratio and Proportion Application
- C. Daily Dose Calculations
- D. Days-supply Practice Problems

PROFESSIONALISM TOPIC: APPEARANCE

WEEK #3

PHARMACY LAW

- A. Major Laws Affecting Pharmacy Practice
- B. Legal Role of the Pharmacy Technician
- C. Controlled Substances
- D. Opioid Dependence Treatment, Methamphetamine Precursors, HIPAA

NON-STERILE COMPOUNDING

- A. Non-Sterile Compounding
- B. Measurement: Non-Sterile Compounding
- C. Techniques: Non-Sterile Compounding
- D. Commonly Compounded Dosage Forms

THERAPEUTIC AGENTS – IMMUNE SYSTEM

- A. Anatomy of the Immune System
- B. Physiology of the Immune System
- C. Anti-Infectives 1
- D. Anti-Infectives 2

PHARMACY MATH-3

- A. Pharmacy Measurements
- B. Prescription Quantity Review
- C. Compounding Math
- D. Compounding Practice Problems

PROFESSIONALISM TOPIC: TIMELINESS

WEEK #4

STERILE COMPOUNDING

- A. Introduction to Sterile Compounding
- B. Environment & USP <797>
- C. Aseptic Technique & USP <797>
- D. Compounded Products and USP <797>

BASIC PHARMACOKINETICS

- A. How Drugs Work
- B. ADME
- C. Bioavailability & Bioequivalence
- D. Human Variability & Interactions

THERAPEUTIC AGENTS – ENDOCRINE SYSTEM

- A. Anatomy of the Endocrine System
- B. Physiology of the Endocrine System
- C. Disorders of the Endocrine System
- D. Drugs for the Endocrine System

PHARMACY MATH-4

- A. Concentrations
- B. Percentage Volume/Weight
- C. Percentage Weight/Weight
- D. Powder Volume
- E. Powder Volume Review

PROFESSIONALISM TOPIC: FLEXIBILITY

WEEK #5

HAZARDOUS MEDICATIONS

- A. Process of Cancer
- B. Hazardous Drugs & USP <800>
- C. Facility Requirements: USP <800>
- D. Personal Protective Equipment (PPE): USP <800>

E. Compounding & USP <800>

MEDICATION SAFETY

- A. Introduction to Medication Errors
- B. Anatomy of Errors
- C. Common Sources of Medication Errors
- D. Strategies for Avoiding Medication Errors

THERAPEUTIC AGENTS – RESPIRATORY SYSTEM

- A. Anatomy of the Respiratory System
- B. Physiology of the Respiratory System
- C. Disorders of the Respiratory System
- D. Drugs for the Respiratory System

PHARMACY MATH-5

- A. Measurement Conversion Practice Problems
- B. Percentage Weight/Volume Practice Problems
- C. Percentage Volume/Volume Practice Problems
- D. Percentage Weight/Weight Practice Problems

PROFESSIONALISM TOPIC: COMMUNICATION 101

WEEK #6

PHARMACY BILLING AND INVENTORY MANAGEMENT

- A. Formulary & Drug Utilization
- B. Medical Insurance Plans
- C. Third-Party Billing
- D. Inventory Management

COMMUNITY PHARMACY

- A. Community Pharmacy – Role of the Technician
- B. Community Pharmacy – Regulation of Pharmacy Technicians
- C. Community Pharmacy – Pharmacy Layout
- D. Community Pharmacy - Communication

THERAPEUTIC AGENTS – MUSCULOSKELETAL SYSTEM

- A. Anatomy of the Musculoskeletal System
- B. Physiology of the Musculoskeletal System
- C. Disorders of the Musculoskeletal System
- D. Drugs for the Musculoskeletal System

PHARMACY MATH-6

- A. Percentage Practice Problems
- B. Percentage Weight/Weight Practice Problems #2
- C. Percentage Weight/Volume Practice Problems #2
- D. Pediatric Dosing
- E. Body Surface Area
- F. Pediatric Dosing Practice Problems

PROFESSIONALISM TOPIC: COMMUNICATION 102

WEEK #7

HOSPITAL PHARMACY

- A. The Hospital
- B. The Hospital Pharmacy
- C. Drug Distribution in the Hospital
- D. Hospital Pharmacy – Roles of the Pharmacy Technician

THERAPEUTIC AGENTS – NERVOUS SYSTEM

- A. Anatomy of the Nervous System
- B. Physiology of the Nervous System
- C. Disorders of the Nervous System
- D. Drugs for the Nervous System

THERAPEUTIC AGENTS – GASTROINTESTINAL SYSTEM

- A. Anatomy & Physiology of the Gastrointestinal System
- B. Disorders of the Gastrointestinal System
- C. Drugs for the Gastrointestinal System

PHARMACY MATH-7

- A. Alligations
- B. Dilutions
- C. Temperature Conversions
- D. Alligation Practice Problems
- E. Temperature Conversion Practice Problems

PROFESSIONALISM TOPIC: NETWORKING

WEEK #8

OVER-THE-COUNTER (OTC) MEDICATIONS

- A. Introduction to OTC Drugs
- B. Self-Medication & OTC Drugs
- C. Common Conditions Treated with OTC Drugs

OTHER PHARMACY PRACTICE SETTINGS

- A. Mail Order Pharmacy & the Pharmacy Technician
- B. Long Term Care Pharmacy & the Pharmacy Technician
- C. Home Health Care & the Pharmacy Technician
- D. Nuclear Pharmacy & the Pharmacy Technician

THERAPEUTIC AGENTS – EYES, EARS, NOSE & THROAT (EENT)

- A. Anatomy of the EENT
- B. Physiology of the EENT
- C. Disorders of the EENT
- D. Drugs for the EENT

PHARMACY MATH-8

- A. Infusion Rates
- B. Insulin Dosing
- C. Business Math
- D. Inventory – Business Math
- E. Infusion Rate Practice Problems
- F. Business Math Practice Problems

PROFESSIONALISM TOPIC: LIFE-LONG LEARNING

SCHEDULE