

**Options EHS Pharmacy Technician A
2020**

Scope and Sequence

Unit Lesson

Objectives

Pharmacology

Prescription Terminology

Identify abbreviations and terminology used on prescriptions.

Define the meaning of prescription terms.

Use prescription terminology in real-life scenarios.

Prefixes, Roots, and Suffixes

Identify common prefixes used in pharmaceutical terminology.

Identify common root words used in pharmaceutical terminology.

Identify common suffixes used in pharmaceutical terminology.

Organ System Terminology

Identify basic organ system terminology.

Explain why pharmacy technicians need to know about organ systems.

Describe how pharmacology impacts health and organ systems.

How Drugs Work

Explain how drugs work in the body.

Define poison.

Explain how placebos are used.

Addiction

Define drug addiction.

Explain how drugs have an addictive effect on the body.

Equivalence

Unit Lesson**Objectives**

Define therapeutic equivalence.

Describe the FDA approval process for drugs.

List the FDA criteria for therapeutic equivalent drugs.

Drug Manufacturing and Naming

Describe how drugs are manufactured.

List regulations associated with drug manufacturing.

Explain the naming process for drugs.

Describe the processes for developing and testing drugs prior to FDA approval.

Manufactured Drug Forms

Identify the most common forms in which drugs are manufactured.

Differentiate the characteristics of various drug forms.

Identify uses for different drug forms.

Routes of Administration

Identify the routes of administration for medication.

Describe the therapeutic effects of different drugs based on their routes of administration.

Drug Interactions

Define a drug interaction.

Identify different types of drug interactions.

Describe how to educate patients about drug interactions.

Unit Summary

Unit Test

Unit Lesson**Objectives****Drugs and Body Systems Part I**

Urinary System Drugs

Identify common drugs used to treat health conditions related to the urinary system.

Describe the pharmacologic actions and indications for drugs used to treat UTIs.

Match urinary diseases and disorders to drugs.

Gastrointestinal System Drugs

Identify common drugs used to treat health conditions related to the gastrointestinal system.

Describe the pharmacologic actions and indications for drugs used to treat heartburn, peptic ulcers, and reflux.

Match gastrointestinal diseases and disorders to drugs.

Musculoskeletal System Drugs

Identify common drugs used to treat health conditions related to the musculoskeletal system.

Describe the pharmacologic actions and indications for drugs used to treat osteoporosis and arthritis.

Match musculoskeletal diseases and disorders to drugs.

Pulmonary System Drugs

Identify common drugs used to treat pulmonary diseases and disorders.

Describe the pharmacologic actions and indications for drugs used to treat asthma and respiratory infections.

Match pulmonary diseases and disorders to drugs.

Cardiovascular System Drugs

Identify common drugs used to treat health conditions related to the cardiovascular system.

Describe the pharmacologic actions and indications for drugs used to treat congestive heart failure and myocardial infarction.

Match cardiovascular diseases and disorders to drugs.

Unit Lesson**Objectives**

Hematologic Drugs

Identify common hematologic drugs.

Describe the pharmacologic actions and indications for drugs used to treat anemia and hemophilia.

Match hematologic diseases and disorders to drugs.

Unit Summary

Unit Test

Drugs and Body Systems Part II

Obstetric and Gynecologic Drugs

Identify common obstetric drugs.

Identify common gynecologic drugs.

Describe the pharmacologic actions and indications for drugs used to treat infertility, postpartum depression, and menstrual disorders.

Endocrine System Drugs

Identify common drugs used to treat health conditions related to the endocrine system.

Describe the pharmacologic actions and indications for drugs used to treat diabetes.

Match endocrine diseases and disorders to drugs.

Neurologic Drugs

Identify common neurologic drugs.

Describe the pharmacologic actions and indications for drugs used to treat neuropathy, multiple sclerosis, and insomnia.

Match neurologic diseases and disorders to drugs.

Psychiatric Drugs

Identify common psychiatric drugs.

Unit Lesson**Objectives**

Describe the pharmacologic actions and indications for drugs used to treat depression, anxiety, and psychosis.

Match psychiatric diseases and disorders to drugs.

Dermatologic Drugs

Identify common dermatologic drugs.

Describe the pharmacologic actions and indications for drugs used to treat acne and skin infections.

Match dermatologic diseases and disorders to drugs.

Drugs for the Eyes, Ears, Nose, and Throat

Identify common drugs used for health issues of the eyes, ears, nose, and throat.

Describe the pharmacologic actions and indications for drugs used to treat disorders that affect the eyes, ears, nose, and throat.

Match sensory diseases and disorders to drugs.

Unit Summary

Unit Test

Drug Classifications

Top 100 Drugs

Identify the top 100 drugs.

Recall the main indications for popular retail drugs.

Classify the top 100 drugs.

Drug Indications

Define what a main indication is.

Identify common drug indications.

Recall examples of drugs based on their indications.

Unit	Lesson	Objectives
	Drug Classes	Identify major classifications of pharmaceuticals. Explain what controlled substances are. Describe the importance of regulating controlled substances. Identify drugs that look alike/sound alike.
	Over-the-Counter (OTC) Drugs	Define OTC medications. Describe the history of drug regulation. Explain the pharmacy technician's role in assisting patients with OTC medications.
	Drugs Used to Treat HIV/AIDS	Define anti-infective drugs. Identify drugs used to treat HIV/AIDS. Explain how anti-infective drugs work in the body.
	Drugs Used to Treat Cancer	Define chemotherapy drugs. Identify drugs used for chemotherapy. Explain how chemotherapy drugs work in the body.
	Other Drugs Used with Chemotherapy	Identify drugs that are used to protect against chemotherapy toxicity. Provide examples of drugs used with chemotherapy. Define anti-emetic drugs.

Unit Lesson**Objectives**

Anesthetic Drugs

Define anesthetic drugs.

Identify common anesthetic drugs.

Explain the pharmacologic actions and indications of anesthetic drugs.

Identify risk factors associated with the use of anesthetic drugs.

Emergency Drugs

Explain what emergency drugs are.

Describe how and when emergency drugs are used.

Compare and contrast various types of emergency drugs.

Intravenous Fluids

Define the term "intravenous."

Analyze the methods of administration for intravenous fluids.

Explain how intravenous drugs are used and how they work.

Unit Summary

Unit Test

Cumulative Exam

Cumulative Exam Review

Cumulative Exam