Kentucky CTE

Pharmacy Technician (2026)

Understand, discuss, and define basic pharmacy terms and definitions. 1	1 Understand, discuss, and define basic pharmacy terms and definitions. 1
Understand the Pharmacy Technician certification examination structure, the time allowed for the exam, and broad topic content. 2	2 Understand the Pharmacy Technician certification examination structure, the time allowed for the exam, and broad topic content. 2
Detail the requirements and process needed to maintain certification. 3	3 Detail the requirements and process needed to maintain certification. 3
Understand federal laws that affect the pharmacy industry. 4	4 Understand federal laws that affect the pharmacy industry. 4
Discuss different laws and legislation that affect the pharmacy industry, including when they were enacted and their importance. 5	5 Discuss different laws and legislation that affect the pharmacy industry, including when they were enacted and their importance. 5
Discuss the importance of the Controlled Substance Act of 1970. 6	6 Discuss the importance of the Controlled Substance Act of 1970. 6
Outline filing procedures and maintain records according to state and federal laws, and drug substitution re	7 Outline filing procedures and maintain records according to state and federal laws, and drug substitution requirements. 7

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Illustrate how a Doctor's DEA (Drug Enforcement Administration) Number is determined and its purpose. 8	8 Illustrate how a Doctor's DEA (Drug Enforcement Administration) Number is determined and its purpose. 8
Discuss storage requirements for Schedule II drugs. 9	9 Discuss storage requirements for Schedule II drugs. 9
Define the four phases of investigational drugs. 10	10 Define the four phases of investigational drugs. 10
Define pharmacology, including the varied types of drugs, prescription types, medication dosage forms, and medical devices. 11	11 Define pharmacology, including the varied types of drugs, prescription types, medication dosage forms, and medical devices. 11
List drug interactions on the human body's major systems. 12	12 List drug interactions on the human body's major systems. 12
Review the different types of medication dosages (tablets, caplets, liquids, creams, emulsions). 13	13 Review the different types of medication dosages (tablets, caplets, liquids, creams, emulsions). 13
Describe the different types of administration devices for certain medications and dosages. 14	14 Describe the different types of administration devices for certain medications and dosages. 14
Review drugs that affect the central nervous system, peripheral nervous system, cardiovascular system, and renal system to include drug int me	15 Review drugs that affect the central nervous system, peripheral nervous system, cardiovascular system, and renal system to include drug interactions, mechanism of action, and manufacturer named drugs. 15

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and manufacturer named drugs. 15	
Review drugs classified as hormones, including drug interactions, mechanism of action, and manufacturer-named drugs. 16	16 Review drugs classified as hormones, including drug interactions, mechanism of action, and manufacturer-named drugs. 16
Review drugs classified as anti-infectant drugs, including drug interactions, mechanism of action, and manufacturer-named drugs. 17	17 Review drugs classified as anti-infectant drugs, including drug interactions, mechanism of action, and manufacturer-named drugs. 17
Review drugs classified as chemotherapy drugs, including drug interactions, mechanism of action, and manufacturer-named drugs. 18	18 Review drugs classified as chemotherapy drugs, including drug interactions, mechanism of action, and manufacturer-named drugs. 18
Review blood and blood formation drugs, including drug interactions, mechanism of action, and manufacturer-named drugs. 19	19 Review blood and blood formation drugs, including drug interactions, mechanism of action, and manufacturer-named drugs. 19
Review vitamins, including drug interactions, mechanism of action, and manufacturer-named drugs. 20	20 Review vitamins, including drug interactions, mechanism of action, and manufacturer- named drugs. 20
Practice and demonstrate aseptic techniques. 21	21 Practice and demonstrate aseptic techniques. 21
De us syr	Demonstrate the proper use of various types of syringes. 22

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Define the uses of parenteral routes. 23	23 Define the uses of parenteral routes. 23
Identify the four most widely used parenteral routes. 24	24 Identify the four most widely used parenteral routes. 24
Review sterile compounding procedures. 25	25 Review sterile compounding procedures. 25
Review the uses of various solutions used in the pharmacy including irrigation solutions, parenteral solutions, and TPN (Total Parenteral Nutrition). 26	26 Review the uses of various solutions used in the pharmacy including irrigation solutions, parenteral solutions, and TPN (Total Parenteral Nutrition). 26
Examine the safe handling of antineoplastic agents used in the treatment of cancer. 27	27 Examine the safe handling of antineoplastic agents used in the treatment of cancer. 27
List the steps of a parenteral admixture order. 28	28 List the steps of a parenteral admixture order. 28
Calculate dosages through the aspects of pharmacy mathematics. 29	29 Calculate dosages through the aspects of pharmacy mathematics. 29
Convert units of measurement for the metric, avoirdupois, and apothecary systems. 30	30 Convert units of measurement for the metric, avoirdupois, and apothecary systems. 30
Interpret abbreviations and Roman numerals used in prescriptions. 31	31 Interpret abbreviations and Roman numerals used in prescriptions. 31
Pr[illegible] fra	Practice the basics of fractions, decimals, and percent as used in pharmacology. 32

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percent as used in pharmacology. 32

Convert Fahrenheit to Centigrade temperatures. 33	33 Convert Fahrenheit to Centigrade temperatures. 33
Utilize ratio proportion relationships for chemical mixtures used in the pharmacy. 34	34 Utilize ratio proportion relationships for chemical mixtures used in the pharmacy. 34
Calculate the amount of drug product to dispense or the number of days' supply from a dosage regimen. 35	35 Calculate the amount of drug product to dispense or the number of days' supply from a dosage regimen. 35
Determine the flow rate of an IV solution. 36	36 Determine the flow rate of an IV solution. 36
Calculate powder volume. 37	37 Calculate powder volume. 37
Review the various pricing methods used in retail pharmacy. 38	38 Review the various pricing methods used in retail pharmacy. 38
Manage inventory controls of the pharmacy business with an overview of insurance claims and "third-party" reimbursement. 39	39 Manage inventory controls of the pharmacy business with an overview of insurance claims and "third-party" reimbursement. 39
Maintain an accurate patient profile. 40	40 Maintain an accurate patient profile. 40
Detail what should be collected for a proper patient profile. 41	41 Detail what should be collected for a proper patient profile. 41
Define key terms used in inv ma	42 Define key terms used in inventory management. 42

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Utilize activities of HOSA-Future Health Professionals as an integral component of course content, skills application, and leadership development. 43	**43** **Utilize activities of HOSA-Future Health Professionals as an integral component of course content, skills application, and leadership development.** 43
Use information technology applications as appropriate to health care specialties. 44	**44** **Use information technology applications as appropriate to health care specialties.** 44
Integrate literacy and numeracy concepts and processes across all curricular units. 45	**45** **Integrate literacy and numeracy concepts and processes across all curricular units.** 45
Demonstrate employability and social skills relevant to health careers. 46	