

National Test Prep

Sample Test 1

1. Which of the following information is indicated by the NDC number
 - a. The expiration date
 - b. The manufacturer
 - c. The lot number
 - d. The average wholesale price
2. A pharmacy technician dilutes a 1 gram vial of cefazolin (Ancef) to 100mg / mL. Which of the following is the amount of solution the technician should use to compound a 500mg dose?
 - a. 2.5 ml
 - b. 100ml
 - c. 0.5ml
 - d. 5ml
3. A pharmacy technician should identify that which of the following types of active listening involves asking the patient clarifying questions regarding what the technician heard the patient say?
 - a. Evaluating
 - b. Hearing
 - c. Interpreting
 - d. Responding
4. A pharmacy technician should recognize that how much sodium chloride is found in a 1L bag of 0.9% sodium chloride?
 - a. 90mg
 - b. 9mg
 - c. 0.9g
 - d. 9g
5. A pharmacy technician discovers that a medication was dispensed to the wrong patient. After reporting the error to the pharmacist, to which of the following organizations should the error be reported?
 - a. ASHP
 - b. MERP
 - c. OSHA
 - d. DEA

6. Which of the following is the maximum number of times a prescription for a Schedule III to Schedule IV medication can be refilled within 6 months from the date it was originally written?
- Six
 - Zero
 - Five
 - One
7. According to federal law, which of the following is classified as a Schedule II medication?
- Heroin
 - Cocaine
 - Marijuana
 - Mescaline
8. A pharmacy technician is assisting a patient who reports she is allergic to NSAIDs. Which of the following should the technician recognize as a medication that this patient should avoid taking?
- Loratadine (Claritin)
 - Dextromethorphan (Delsym)
 - Acetylsalicylic Acid (Aspirin)
 - Acetaminophen (Tylenol)
9. Based on the prescription below, a pharmacy technician should identify that which of the following information might cause a medication administration error?
- Glimepiride (Amaryl) 2.0 mg one tablet orally once a day #90
- The prescriber should use the abbreviation "QD" for once a day.
 - The strength of 2.0 should be written as 2mg
 - The word "orally" should be replaced with "po"
 - The prescriber should spell out #90 for the quantity.
10. According to USP <797>, which of the following personal protective equipment (PPE) should a pharmacy technician apply first when performing aseptic technique?
- Face Mask
 - Hair bonnet
 - Gown
 - Shoe covers
11. A pharmacy technician should identify that which of the following over the counter (OTC) medications is most likely to increase a patient's risk for gastrointestinal (GI) bleeding?
- Acetaminophen (Tylenol)
 - Famotidine (Pepcid)
 - Ibuprofen (Motrin)
 - Diphenhydramine (Benadryl)

12. A pharmacy Technician should identify that which of the following volumes is equivalent to 45ml?
- a. 2 tbsp
 - b. 3 tbsp
 - c. 3 tsp
 - d. 2 tsp
13. When calculating the beyond-use date (BUD) for a sterile compound, which of the following information should a pharmacy technician consider?
- a. The indication of the medication
 - b. The brand name of the medication
 - c. The NDC number of the medication
 - d. The stability of the medication
14. Which of the following should a pharmacy technician recognize as an adverse effect of taking methylphenidate (Ritalin)?
- a. Increased salivation
 - b. Weight Loss
 - c. Constipation
 - d. Decreased blood pressure
15. According to USP <797>, how many times must negative gloved fingertip sampling be demonstrated prior to preparing sterile products?
- a. One time
 - b. Two times
 - c. Three times
 - d. Four times
16. Based on the prescription below, how many tablets should a pharmacy technician dispense?
Sulfasalazine 500 mg 1.5g QID X 10 days
- a. 40 tablets
 - b. 60 tablets
 - c. 120 tablets
 - d. 160 tablets
17. A pharmacy technician should identify that which of the following statements is true when no refill information is provided on a non controlled substance prescription?
- a. The prescription can be refilled up to five times in 6 months
 - b. The prescription can be refilled on time
 - c. Refills require authorization from the prescriber
 - d. Refills Require authorization from the pharmacist

18. A pharmacy technician is cleaning a laminar flow hood. Which of the following actions should the technician take?
- Use chlorhexidine to clean the hood
 - Use tap water to clean the hood
 - Wipe the hood in a horizontal fashion, from back to front
 - Wipe the sides of the hood from bottom to top
19. Which of the following tasks can a pharmacy technician legally perform?
- Make recommendations for over-the-counter (OTC) Supplies.
 - Counsel a patient on the use of a medication
 - Prescribe medication therapy
 - Fill a unit dose cart
20. Which of the following actions is outside the scope of practice for a pharmacy technician who works at a community pharmacy that provides immunizations?
- Ordering Vaccines
 - Ensuring proper storage of the vaccine vials
 - Explaining potential adverse effects of an immunization
 - Billing and collecting payments for immunization procedures
21. Which of the following controlled substance schedules represents substances that contain limited quantities of certain narcotics and have a low potential for abuse?
- Schedule V
 - Schedule II
 - Schedule IV
 - Schedule III
22. A pharmacy technician should identify that which of the following federal acts requires a patient to receive pharmacist counseling?
- Prescription Drug Marketing Act of 1987
 - Omnibus Budget Reconciliation Act of 1990
 - Medicare Modernization Act of 2003
 - Orphan Drug Act of 1983
23. Which of the following medications should a pharmacy technician identify as an over-the-counter (OTC) medication that is used to treat diarrhea?
- Diphenhydramine (Benadryl)
 - Omeprazole (Prilosec)
 - Loperamide (Imodium)
 - Loratadine (Claritin)

24. How many grams of pure coal tar must be added to 1 lb. of 10% coal tar ointment to make a 15% ointment? Hint pure coal tar is 100%
- 481g
 - 454 g
 - 68.1 g
 - 26.7g
25. A pharmacy technician should identify that which of the following abbreviations is included on the Institute for Safe Medical Practices (ISMP) List of Error-Prone Abbreviations?
- AC
 - PRN
 - QS
 - QOD
26. Which of the following should a pharmacy technician identify as the primary purpose of MedWatch?
- To educate health care workers and the public about safe medication practices
 - To prove the safety and efficacy of new medications
 - To allow the voluntary report of adverse events
 - To regulate the labeling, marketing, and manufacturing of products.
27. A pharmacy technician should identify that which of the following medications is required to be stored behind the pharmacy counter?
- Meclizine (Dramamine)
 - Dextromethorphan (Delsym)
 - Fexofenadine (Allegra)
 - Pseudoephedrine (Sudafed)
28. A pharmacy technician should identify that which of the following prescription instructions corresponds with the prescription below?
- 1 tab qd am HBP
- Take one tablet by mouth four times each morning for high blood pressure
 - Take one tablet by mouth every 4 days in the morning for high blood pressure
 - Take one tablet by mouth once daily in the morning for high blood pressure
 - Take one tablet by mouth every other morning for high blood pressure
29. Which of the following medications can a pharmacy technician stock in an automated dispensing machine?
- Penicillin (Pen-vk)
 - Triamcinolone Ointment (Kenalog)
 - Metformin (Glucophage)
 - Acetaminophen / codeine suspension (Tylenol with codeine suspension)

30. A pharmacy technician should identify that which of the following medication is available to patients over-the-counter (OTC)?
- Minoxidil (Rogaine)
 - Escitalopram (Lexapro)
 - Phenytoin (Dilantin)
 - Sumatriptan (Imitrex)
31. Which of the following terms should a pharmacy technician recognize as the practice of identifying a potential service or group of services that can optimize therapeutic outcomes for a patient?
- Medication therapy management
 - Medication reconciliation
 - Patient compliance
 - Medication regimen review
32. To reduce medication errors, which of the following formats should be used to represent a dosage measured in grams?
- 0.03g
 - 0.3g
 - .300g
 - 0.30g
33. A pharmacy technician is preparing to fill a prescription for a toddler. Which of the following is the weight-based formula the technician should use to determine the correct pediatric dose?
- Young's rule
 - Alligation method
 - Clark's rule
 - Fried's rule
34. A pharmacy technician is preparing to make a sterile compound. She is starting with a non-sterile product. Which of the following categories of compounded sterile preparations does this compound fall under?
- Low risk
 - Medium risk
 - High Risk
 - Immediate use

35. A pharmacy technician is preparing to fill a prescription for a medication that indicates on NDC code 00079-5420-66. Which of the following sets of numbers is the NDC code represent the medication's active ingredient and dosage form?
- 79
 - 0079
 - 5420
 - 66
36. A pharmacy technician should identify that HIPAA privacy regulations apply to which of the following?
- Patient counseling
 - Brand/Generic selection
 - Prescriber licensing information
 - Over the counter (OTC) medication.
37. A pharmacy technician should assign which of the following expiration dates to a magic mouthwash that contains water?
- 7 days
 - 14 days
 - 30 days
 - 60 days
38. A pharmacy technician should identify that which of the following federal acts created a stair-step schedule of controlled substances?
- Anabolic Steroids Control Act of 1990
 - Comprehensive Drug Abuse Prevention Control Act of 1970
 - Drug Listing Act of 1972
 - Poison Prevention Packaging Act of 1970
39. Which of the following actions should a pharmacy technician take when receiving a delivery of non controlled?
- Reconcile the shipment invoices
 - Validate the barcode on the box
 - Contract the distributor to verify delivery
 - Obtain the pharmacist signature
40. A patient's medication administration record indicates that he is receiving ampicillin-sulbactam (Unasyn) piggyback qid. The pharmacy technician should recognize that this medication is delivered via which of the following routes of administration?
- Intravenous injection
 - Continuous infusion
 - Intrathecal injection
 - Subcutaneously

41. A pharmacy technician should mark medications that are set to expire how many months before the listed expiration date?
- 6 months
 - 3 months
 - 1 month
 - 12 months
42. A pharmacy technician should identify that which of the following medications is exempt from child-resistant safety closure packing requirements?
- SL nitroglycerin (Nitrostat)
 - SL cyanocobalamin (vitamin B-12)
 - Acetaminophen (Tylenol)
 - Acetylsalicylic Acid (Aspirin)
43. A pharmacy technician receives a prescription for a noncontrolled medication that indicates the medication should be refilled "PRN". The pharmacy technician should identify that "prn" indicates which of the following?
- The prescription can be refilled indefinitely
 - The prescription can be refilled for a maximum of 1 year from the date it was written
 - The prescriber's authorization is needed for each refill
 - The prescription can be refilled five times
44. A pharmacy technician receives a prescription to dispense VI fl oz. of promethazine syrup. What size bottle should the technician use to fill this prescription?
- 120ml
 - 90 ml
 - 240ml
 - 180ml
45. Which of the following information does the FDA require to be published in a medication's monograph?
- Expiration dates
 - Contradictions
 - Wholesale price
 - Manufacturer
46. A pharmacy technician is preparing a clindamycin (Cleocin) oral suspension. Which of the following auxiliary labels should technician place on the bottle?
- "Do Not Take with Aspirin"
 - "Take with Food"
 - "Take with a Full Glass of Water"
 - "Refrigerate"

47. Which of the following information is required by federal law to be included on a prescription label?
- The patient's diagnosis
 - The prescriptions expiration date
 - The prescriber's phone number
 - The prescriber's DEA number
48. Which of the following is a security requirement for noncontrolled Medicaid prescriptions set forth by the Centers for Medicare and Medicaid Services (CMS)?
- The prescriber's signature is required to be stamped on the prescription
 - The prescription is required to be sent electronically to the pharmacy
 - The prescription is required to be written on a tamper-resistant pad
 - The prescriber's DEA number is required to be written on the prescription
49. According to federal law, when transferring a Schedule II medication to another pharmacy, which of the following forms should the receiving pharmacy complete and retain?
- DEA Form 222
 - DEA Form 41
 - DEA Form 106
 - DEA Form 225
50. When repackaging medications from a stock container to a unit-dose package, which of the following information should a pharmacy technician record?
- The name of the patient
 - The date of administration
 - The name of the prescriber
 - The lot number of the mediation
51. Which of the following parts of Medicare should a pharmacy technician bill for 70-year-old patient's blood glucose test strips?
- Medicare Part D
 - Medicare Part A
 - Medicare Part C
 - Medicare Part B
52. A pharmacy technician should identify that which of the following insurance coverage plans allows a patient to see a specialist without a referral?
- HMO
 - Point-of-Service
 - Medicare
 - PPO

53. A pharmacy technician is preparing to dispense a prescription. Which of the following findings is an indication that the prescription might be altered or forged?
- Handwriting is illegible
 - Written in red ink
 - Uses multiple abbreviations
 - Unusually small dosage
54. Which of the following methods should a pharmacy technician use when reducing the particle size of a solid with the aid of a solvent?
- Trituration
 - Pulverization
 - Geometric dilution
 - Spatulation
55. A pharmacy technician should identify that pravastatin (Pravachol) is used to treat which of the following conditions?
- Hyperlipidemia
 - Myasthenia gravis
 - Diabetes mellitus
 - Thrombophlebitis
56. A pharmacy technician should identify that which of the following organizations oversees the disposal of hazardous waste from health care facilities?
- Food and Drug Administration (FDA)
 - Occupational Safety and Health Administration (OSHA)
 - Drug Enforcement Administration (DEA)
 - Environmental Protection Agency (EPA)
57. Which of the following statements about storage conditions should a pharmacy technician make to a patient who is taking nitroglycerin (Nitrostat) sublingual tablets?
- "Nitroglycerin can be stored in a pillbox"
 - "Nitroglycerin should be stored in the original, airtight container"
 - "Nitroglycerin can be stored in the original container for a maximum of 9 months"
 - "Nitroglycerin should be stored in the refrigerator"
58. Which of the following actions should a pharmacy technician take to promote medication compliance?
- Suggest the patient stop taking an expensive medication and replace it with less expensive alternative
 - Instruct the patient to increase the dosage if pain becomes more intense
 - Use medical terminology to explain the patient's medication therapy
 - Ask the patient to monitor medication intake by keeping a log

59. A formula for 1 L of liquid pharmaceutical calls for 0.25g of methylparaben, a preservative. Which of the following amounts of this preservative are needed to make 1 pint of the liquid?
- 0.12mg
 - 120mg
 - 12.0mg
 - 1.20mg
60. Which of the following actions should a pharmacy technician take to avoid contamination in the pharmacy setting?
- Count pills by hand before bottling
 - Clean counting trays with hot water
 - Transfer ointments into ointment jars using a gloved finger
 - Disinfect countertops with isopropyl alcohol
61. Which of the following describes the primary purpose of the Durham-Humphrey Amendment of 1951?
- To require prescription medication to bear the legend "Rx Only"
 - To require manufacturers to supply proof of a medication's effectiveness
 - To classify the five levels of controlled substances.
 - To require child proof packaging on all medications
62. A pharmacy technician receives a request from a patient to fill a prescription for an SSRI medication. The technician should identify that which of the following medications is classified as an SSRI?
- Buspirone (Buspar)
 - Paroxetine (Paxil)
 - Alprazolam (Xanax)
 - Duloxetine (Cymbalta)
63. A pharmacy technician should recognize that celecoxib (Celebrex) is included in which of the following medication classes?
- Angiotensin-converting enzyme inhibitor (ACE Inhibitor)
 - Loop Diuretic
 - Cyclooxygenase 2 inhibitor (COX-2 inhibitor)
 - Proton pump inhibitor
64. Which of the following conditions is a contradiction to taking atorvastatin (Lipitor)?
- Pregnancy
 - Hypertension
 - Osteoporosis
 - Hyperkalemia

65. A pharmacy technician is required to include a patient package insert when dispensing which of the following medications to a patient?
- Simvastatin (Zocor)
 - Drospirenone (Yasmine)
 - Oxycodone (Percocet)
 - Esomeprazole (Nexium)
66. A pharmacy technician should identify that which of the following is the primary goal of the Risk Evaluation and Mitigation Strategy (REMS) Program?
- To inform patients of privacy notices
 - To inform patients of the risks associated with a medication
 - To inform patients about material safety data sheets
 - To inform patients about controlled medications
67. According to the FDA, which of the following is required to prove that a generic medication is equivalent to brand-name medication?
- Complexation
 - Bioavailability
 - Strength
 - Color
68. A pharmacy technician should identify that which of the following prescription labels corresponds with the prescription: 1 tsp qid pc prn allergy
- Take 1 tablespoon four times daily by mouth as needed for allergy
 - Take 1 teaspoonful daily after meals for allergy
 - Take 1 tablespoon daily before meals for allergy
 - Take 1 teaspoon four times daily after meals as needed for allergy
69. When a managed care plan covers 80% of a prescription cost and the patient pays the remaining 20%, this payment arrangement is known as which of the following?
- Tiered copayment
 - Premium
 - Coinsurance
 - Deductible
70. A pharmacy technician should identify that which of the following is another name for vitamin B-12?
- Pyridoxine
 - Cyanocobalamin
 - Riboflavin
 - Pantothenic acid

71. Which of the following organizations is responsible for reviewing new generic equivalents and therapeutic indication for existing medications?
- a. Occupational Safety and Health Administration (OSHA)
 - b. Drug Enforcement Administration (DEA)
 - c. Food and Drug Administration (FDA)
 - d. Centers for Disease Control and Prevention (CDC)
72. A patient asks a pharmacy technician to contact her prescriber to request a refill of Singular. The technician should expect the prescriber to send a prescription for which of the following generic medications?
- a. Montelukast
 - b. Levalbuterol
 - c. Mometasone
 - d. Ipratropium
73. A pharmacy technician should identify that which of the following supplies is typically used in a compounding pharmacy to crush tablets?
- a. Slab and spatula
 - b. Tablet Splitter
 - c. Tablet press
 - d. Mortar and pestle
74. Which of the following tasks is within a pharmacy technician's scope of practice?
- a. Discussing the adverse effects of a medication with a patient.
 - b. Answering patient's questions regarding the use of medications
 - c. Obtaining a patient's health history
 - d. Recommending a change in medication
75. A pharmacy technician receives a prescription for a patient who has the same first and last name as another patient in the patient profile software system. Which of the following information should the technician verify to ensure she is working with the correct patient profile?
- a. Verify the patient's allergies
 - b. Verify the patient's diagnosis
 - c. Verify the patient's date of birth
 - d. Verify the patient's prescriber
76. A provider prescribes an adult patient to receive 80 mEq of potassium over 3 hours. Which of the following will be the flow rate in ml/hr if 80 meq/500ml solution was dispensed?
- a. 0.16
 - b. 27
 - c. 167
 - d. 240

77. A pharmacy technician should identify that which of the following prescription instructions corresponds with the prescription below?

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- a. Instill two drops in the right ear three times per day as directed
- b. Instill two drops in the right eye three times per day as needed
- c. Instill two drops in the left eye three times per day as needed
- d. Instill two drops in the left ear three times per day as needed

78. A pharmacy technician is preparing to inject a diluent into a vial for a powder medication. Which of the following needles would the technician use for this process?

- a. Vented
- b. Hypodermic
- c. Filter
- d. Pen

79. A pharmacy technician should identify that which of the following medications is contraindicated for administration to a patient who is allergic to penicillin (PenVK)?

- a. Doxycycline (Vibramycin)
- b. Amoxicillin/ Clavulanate (Augmentin)
- c. Tetracycline (Sumycin)
- d. Sulfamethoxazole / Trimethoprim (Bactrim)

80. A pharmacy technician is entering a prescription that states. "Dispense as written." Which of the following DAW codes should the technician enter into the computer system?

- a. DAW 0
- b. DAW 3
- c. DAW 1
- d. DAW 4

81. Which of the following health care professionals can prescribe a medication for a child toothache?

- a. DVM
- b. DPM
- c. DDS
- d. OD

82. How often should a pharmacy technician inspect floor stock medications?

- a. Monthly
- b. Weekly
- c. Daily
- d. Yearly

83. A pharmacy technician should recognize that the acronym PHI is used to represent which of the following?
- Patient health incident
 - Public health incident
 - Protected health information
 - Patient health information
84. A medication prescription calls for dextrose 5% in water (D5W) 1,000 mL with 40 meq of potassium chloride to be infused at 125ml/hr. How many 1 L bags will be needed over a 24 hr period?
- Two
 - Three
 - Four
 - Five
85. A pharmacy technician is compounding an IV prescription. Which of the following actions should the technician take to demonstrate best practice for quality assurance?
- Inject the medication into the IV bag prior to verification by the pharmacist
 - Use a barcode verification system
 - Perform an inventory of all IV compounds at the beginning of each shift
 - Leave unfinished IV prescriptions for the next shift
86. A pharmacy technician should identify that which of the following prescription instructions corresponds with the prescription below?
- Naproxen (Anaprox) 550mg 2 tabs po q4-6h prn
- Take two tablets every 4 to 6 hours as needed
 - Take two tablets by mouth every 4 to 6 hours as needed
 - Take two tablets by mouth every 4 to 6 hours
 - Take two capsules by mouth every 4 to 6 hours as needed
87. A pharmacy technician should identify that which of the following abbreviation means "left ear"?
- AS
 - OS
 - AD
 - OD
88. Which of the following auxiliary labels should a pharmacy technician place on a prescription for amoxicillin suspension (Amoxil)?
- "May cause Drowsiness or Dizziness"
 - "Take with a full glass of water"
 - "Shake well before use"
 - "Store the medication at room temperature"

89. According to the federal Combat Methamphetamine Epidemic Act of 2005, a pharmacy technician should identify that which of the following is the maximum amount of pseudoephedrine (Sudafed) that a patient can obtain in 1 day?
- 3.6g
 - 9g
 - 3.6mg
 - 9mg
90. A pharmacy technician should recognize that which of the following medication instructions will be included on a prescription for levothyroxine (Synthroid)?
- Take the medication with dinner.
 - Take the medication at least 1 hour after a meal
 - Take the medication at bedtime
 - Take the medication on an empty stomach
91. Which of the following should a pharmacy technician identify as the brand name for alendronate?
- Levaquin
 - Fosamax
 - Boniva
 - Zithromax
92. Which of the following tasks should a pharmacy technician identify as the final step in the filling process of the new prescription?
- Asking the pharmacist to perform a verification check
 - Verifying a patient's insurance information
 - Inputting prescription information into the computer system
 - Entering patients health conditions into the computer system
93. Which of the following should a pharmacy technician identify as a type of medication that is used to relieve coughing?
- Benzodiazepine
 - Antitussive
 - Antihistamine
 - Decongestant
94. Which of the following information should a pharmacy technician be aware of regarding prednisone (Deltasone) and Prednisolone (Orapred)?
- Tall man lettering is incorporated on their labels
 - Both medications need to be shaken before being measured.
 - The NDC numbers are the same for both medications
 - They have a high potential for abuse
95. When validating a DEA number, a pharmacy technician should identify that the second letter should be the first letter of which the following?
- Prescriber's first name
 - Pharmacist's first name
 - Prescriber's last name
 - Pharmacist's last name

96. A pharmacy technician should identify that which of the following information is required on labels prepared for compounded sterile products?
- a. Prescriber's NPI number
 - b. Prescriber's DEA number
 - c. Preparation date and time
 - d. Beyond-use Date
97. Which of the following vitamins should a pharmacy technician identify as fat soluble?
- a. Vitamin B6
 - b. Vitamin C
 - c. Vitamin B12
 - d. Vitamin K
98. Personnel who are authorized to enter the sterile compounding room should receive training in accordance with which of the following organizations?
- a. United States Pharmacopeia (USP)
 - b. Pharmacy Technician Certification Board (PTCB)
 - c. The Department of Public Health
 - d. The joint Commision (TJC)
99. A pharmacy technician is preparing to take inventory of all controlled substances that are in stock at the pharmacy. The technician should identify that the DEA requires reporting of exact quantities for which of the following schedules of controlled substances?
- a. Schedule II
 - b. Schedule III
 - c. Schedule IV
 - d. Schedule V
100. A pharmacy technician should identify that which of the following is an example of a solid dosage form?
- a. Suspension
 - b. Otic drops
 - c. Transdermal patch
 - d. Effervescent tablets