

Practice Exam



1. Who may recommend an over-the-counter (OTC) medication to a patient?
 - a. Pharmacy technician
 - b. Certified pharmacy technician
 - c. Certified pharmacy technician with OTC training
 - d. None of the above
2. What is the drip rate in mL/h of the continuous 10 $\mu\text{g/h}$ infusion?
 - a. 0.2 mL/h
 - b. 0.4 mL/h
 - c. 2 mL/h
 - d. 5 mL/h
3. Which of the following prevention strategies should be utilized to decrease medication errors?
 - a. Two-person independent check of medication calculation
 - b. Tall-man lettering
 - c. Shelf separators
 - d. All of the above
4. Which organization is solely dedicated to medication error prevention?
 - a. OSHA
 - b. FDA
 - c. TJC
 - d. ISMP
5. Which of the following juices may interact with medications?
 - a. Orange juice
 - b. Apple juice
 - c. Grapefruit juice
 - d. Grape juice

6. Which of the following is an example of a schedule-III medication?
- a. Heroin
 - b. Morphine
 - c. Lorazepam
 - d. Codeine with acetaminophen
7. Which of the following recalls is related to serious health problems from dangerous or defective products?
- a. Class I
 - b. Class II
 - c. Class III
 - d. Market withdrawal
8. If a medication is taken qod, this means when should it be taken?
- a. Every day
 - b. Four times daily
 - c. Every other day
 - d. Once a week
9. Which of the following is not required on a valid prescription?
- a. Date of issue
 - b. Name and address of the practitioner
 - c. Name of the patient
 - d. The recommended pharmacy for a patient to use
10. A patient is instructed to take 1 tsp qid. How many milliliters will the patient take daily?
- a. 20 mL
 - b. 40 mL
 - c. 60 mL
 - d. 80 mL
11. Which of the following is not a side effect of Augmentin?
- a. Diarrhea
 - b. Allergic reaction
 - c. Constipation

d. Rash

12. What is another term for TPN?

- a. Hypercalcemia
- b. Hypomagnesemia
- c. Hyperalimentation
- d. Sustaination

13. Which organization requires that material safety data sheets be available?

- a. FDA
- b. OSHA
- c. P&T
- d. DEA

14. When can a medication that is scheduled III to V be refilled?

- a. Never
- b. As many times as the patient needs
- c. Up to 5 times within 6 months
- d. Up to 6 times within a year

15. Which of the following are high-alert medications?

- a. Morphine, heparin
- b. Potassium chloride, warfarin
- c. Hydromorphone, insulin
- d. All of the above

16. Compulsive gambling is a side effect of which medication?

- a. Carbidopa/levodopa
- b. Donepezil
- c. Ropinirole
- d. Memantine

17. Drugs are intended for use in which of the following?

- a. Prevention of disease
- b. Treatment of disease
- c. Diagnosis of disease

d. All of the above

18. Which of the following medications can become toxic after its expiration date?

- a. Aspirin
- b. Vicodin
- c. Tetracycline
- d. Lorazepam

19. If a drug is not covered on the approved list of medications, it is not on which of the following?

- a. HMO
- b. Formulary
- c. Facilitator
- d. NCPDP

20. Which of the following is not a biometric identifier?

- a. Fingerprint
- b. Face recognition
- c. Password
- d. DNA

21. If a medication should be taken after meals, which sig code should be used?

- a. ac
- b. pc
- c. bid
- d. qd

22. Fentanyl transdermal is in which DEA class?

- a. I
- b. II
- c. III
- d. IV

23. What basic information is not contained in the patient profile?

- a. Patient's name
- b. Medication allergies
- c. Social security number
- d. Insurance information

24. How many digits are in an NDC?

- a. 10
- b. 12
- c. 14
- d. 16

25. What type of medications can easily be cut in half?

- a. Scored
- b. Capsules
- c. Controlled release
- d. Enteric coated

26. What do the first 4 or 5 digits of the NDC code represent?

- a. The product code
- b. The labeler code
- c. The package code
- d. The bar code

27. When a medication is given to a patient, it must be indicated on which of the following?

- a. Unit dose system
- b. Medication order
- c. Computer physician order entry
- d. Medication administration record

28. Which of the following antibiotics may be used for acne?

- a. Chlorhexidine gluconate
- b. Clindamycin
- c. Mupirocin
- d. Nitrofurantoin

- 29.** Which of the following is a not an advantage of an electronic health record?
- a. Quickly track prescriptions
 - b. Low cost
 - c. Trigger patient care reminders
 - d. Prompt allergy warnings
- 30.** What is the term used to describe a bill of sale of products ordered?
- a. Invoice
 - b. Purchase order
 - c. MSDS
 - d. Formulary
- 31.** Which of the following policies would a patient not be billed any fees for services?
- a. Point-of-service
 - b. HMO
 - c. Workers' compensation insurance
 - d. PPO
- 32.** Which of the following is available as an injection?
- a. Acyclovir
 - b. Oseltamivir
 - c. Valacyclovir
 - d. Zanamivir
- 33.** Which of the following medications is permitted to be dispensed in nonchildproof containers?
- a. Ibuprofen
 - b. Oxycodone
 - c. Atenolol
 - d. Sublingual nitroglycerin
- 34.** Which form is used to document loss or theft of C-II medications?
- a. DEA 41
 - b. DEA 106

- c. DEA 222
- d. None of the above

- 35.** Which is an example of a drug–drug interaction?
- a. Bactrim prescribed for a penicillin-allergic patient
 - b. Amoxicillin prescribed for a patient on Augmentin
 - c. Acyclovir prescribed for a patient with a bacterial infection
 - d. Oxycodone prescribed for a patient by a dentist
- 36.** If a patient is eligible for Medicare Part A, they also have the option of enrolling in which part of Medicare?
- a. B
 - b. C
 - c. D
 - d. None of the above
- 37.** When is the effective date on an insurance card?
- a. Coverage is expired for the patient
 - b. Coverage has started for the patient
 - c. Prescriptions should be refilled
 - d. None of the above
- 38.** Lisinopril can potentially increase which electrolyte?
- a. Glucose
 - b. Potassium
 - c. Sodium
 - d. Chloride
- 39.** Which of the following organizations is devoted entirely to medication error prevention?
- a. Agency for Healthcare Research and Quality
 - b. Food and Drug Administration
 - c. Institute of Safe Medication Practices
 - d. The Joint Commission
- 40.** HIPAA sets standards to protect which of the following?

- a. USP
- b. PHI
- c. NF
- d. OTC

41. A patient's insurance card is likely to include all of the following except which one?

- a. Member's ID number
- b. Member's group number
- c. Billing identification number (BIN)
- d. Contracted pricing structure

42. The middle (green) copy of a DEA Form 222 is retained by which of the following?

- a. Supplier
- b. Manufacturer
- c. DEA
- d. Pharmacy

43. Which of the following needles is the smallest?

- a. 16 gauge
- b. 18 gauge
- c. 22 gauge
- d. 25 gauge

44. Which of the following strategies can help prevent illegible handwriting errors?

- a. Handwriting classes
- b. Verbal orders
- c. Telephone orders
- d. Preprinted order sets

45. Which of the following information is not required on the label of the medication vial?

- a. Pharmacy's name and address
- b. Patient's social security number

- c. Date when prescription was filled
- d. Prescription number

- 46.** Which of the following is the amount a patient must pay each year before their benefits begin?
- a. Premium
 - b. Copayment
 - c. Deductible
 - d. Coinsurance
- 47.** Which of the following would be an example of a unit-of-use package?
- a. A 100-count bottle of a medication
 - b. A 500-count bottle of a medication
 - c. A pack of 30 tablets for a medication taken daily
 - d. A vial of a medication to be reconstituted
- 48.** Which patient should not be taking metformin?
- a. A 24-year-old woman with seizures
 - b. A 56-year-old man with renal failure
 - c. A 55-year-old woman with hypertension
 - d. A 78-year-old man with heart failure
- 49.** How many capsules should be dispensed for the following prescription: cephalexin 250 mg 1 PO qid \times 10 days?
- a. 10 capsules
 - b. 20 capsules
 - c. 30 capsules
 - d. 40 capsules
- 50.** The liquid in which a solute is dissolved is known as which of the following?
- a. Precipitant
 - b. Suspension
 - c. Solution
 - d. Solvent

- 51.** What is the temperature range for storage of refrigerated products?
- a. -20 to -10°C
 - b. 2 to 8°C
 - c. -20 to -10°F
 - d. 2 to 8°F
- 52.** Which of the following is an example of the therapeutic substitution?
- a. Protonix-prevacid
 - b. Norvasc-amlodipine
 - c. Prozac-fluoxetine
 - d. Ventolin-albuterol
- 53.** You are filling a prescription for a patient who insists on getting the brand name medication. What dispense as written (DAW) code would this be?
- a. DAW 0
 - b. DAW 1
 - c. DAW 2
 - d. DAW 3
- 54.** The Pure Food and Drug Act passed in which year?
- a. 1906
 - b. 1926
 - c. 2006
 - d. 1900
- 55.** How many refills can a physician write for Adderall XR?
- a. 0
 - b. 1
 - c. 6
 - d. 12
- 56.** Medication labels must contain which of the following at the very least?
- a. The name, address, and phone number of the pharmacy
 - b. Name of the patient
 - c. Date of dispensing

d. All of the above

- 57.** You receive a prescription for ketoconazole 5% ointment, apply to affected area twice daily, dispense 120 g. You check the pharmacy shelves and find that you have ketoconazole 1% and 10% ointments. How many grams of each ointment do you need to mix together to dispense the prescription as written?
- a. 66.6 g of 1% and 53.4 g of 10%
 - b. 53.4 g of 1% and 66.6 g of 10%
 - c. 60 g of 1% and 60 g of 10%
 - d. You cannot make 5% ointment with the products you have in stock
- 58.** Which of the following abbreviations is on The Joint Commission's (TJCs) "Do Not Use" list?
- a. U
 - b. mL
 - c. cc
 - d. L
- 59.** In which reference book would you find detailed patient counseling information?
- a. State Law Book
 - b. Federal Law Book
 - c. Natural Product Reference
 - d. Patient Handout Information Reference
- 60.** How would the following prescription be interpreted: 1 gtt AU qd?
- a. Instill 1 gtt in the right eye 4 times daily
 - b. Instill 1 gtt in both ears 4 times daily
 - c. Instill 1 gtt in both ears once daily
 - d. Instill 1 gtt in both eyes once daily
- 61.** You extemporaneously compounded Magic Mouthwash on January 1, 2014. Your pharmacy's recipe for Magic Mouthwash contains viscous lidocaine (expiration date September 2014), diphenhydramine oral solution (expiration date February 2015), and Maalox (expiration date March 2014). What is the beyond-use date of your compounded Magic Mouthwash?

- a. January 15, 2014
- b. January 31, 2014
- c. March 31, 2014
- d. January 1, 2015

62. What is a common side effect of Zyprexa?

- a. Weight loss
- b. Depression
- c. Weight gain
- d. Constipation

63. Which OTC medication does the “Combat Methamphetamine Epidemic Act” restricts the sale of?

- a. Acetaminophen
- b. Ibuprofen
- c. Guaifenesin
- d. Pseudoephedrine

64. Which of the following is a technician permitted to do?

- a. Refill prescriptions
- b. Take transfers over the phone
- c. Take new prescriptions over the phone
- d. Counsel patients

65. Per the DEA, how many years must records of receipt for C-III, C-IV, and C-V drugs be kept on file?

- a. 1 year
- b. 2 years
- c. 5 years
- d. 7 years

66. An elderly patient with liver failure is prescribed a medication by a physician. If the dose is not adjusted accordingly, what drug utilization review (DUR) rejection could occur?

- a. Drug–drug interaction
- b. Allergy

- c. Therapeutic duplication
- d. Contraindication

67. Which of the following patients are at the highest risk of a calculation error?

- a. A 3 year-old girl
- b. A 15 year-old adolescent boy
- c. A 31 year-old woman
- d. A 70 year-old woman

68. Who issues a medication recall?

- a. TJC
- b. FDA
- c. DEA
- d. P&T

69. Which is a valid DEA number for Dr. John Smith?

- a. BS1234562
- b. MS1234564
- c. AS1234563
- d. All of the above could be correct

70. Which of the following is an expectorant?

- a. Dextromethorphan
- b. Pseudoephedrine
- c. Guaifenesin
- d. Codeine

71. Which of the following organizations accredits hospitals?

- a. Institute for Safe Medication Practices (ISMP)
- b. National Patient Safety Foundation
- c. The Joint Commission (TJC)
- d. The American Heart Association

72. Which of the following books is used to obtain equivalency information?

- a. *NeoFax*

- b. *Brigg's Drugs in Pregnancy and Lactation*
- c. *Orange Book*
- d. *Handbook for Nonprescription Drugs*

73. Which of the following routes has the fastest onset of action?

- a. Oral
- b. Intravenous injection
- c. Transdermal
- d. Intramuscular

74. What is an example of a drug-disease alert?

- a. Elevated international normalized ratio (INR) for a patient on warfarin
- b. Cephalexin being prescribed for a patient with a penicillin allergy
- c. Lisinopril being prescribed for a pregnant patient
- d. Pantoprazole being ordered for a patient on esomeprazole

75. Medications typically expire how many years after manufacturing?

- a. 1 to 5 years
- b. 5 to 10 years
- c. 1 to 5 months
- d. 5 to 10 months

76. AS is the abbreviation for which of the following?

- a. Right ear
- b. Left eye
- c. Both ears
- d. Left ear

77. What should the technician use on the stock bottle to verify the correct medication was pulled for the filling process?

- a. Expiration date
- b. Lot number
- c. Drug strength
- d. NDC number

78. What did the Controlled Substances Act define?

- a. Labeling requirements
- b. Drug schedules
- c. Privacy laws
- d. Purity standards

79. What are used to triturate solid ingredients in nonsterile compounding?

- a. Ointment slabs
- b. Oral syringes
- c. Analytical balances
- d. Mortar and pestles

80. The OBRA '90 required pharmacies to do which of the following?

- a. Perform a prospective drug utilization review on all prescriptions
- b. Provide drive-through service
- c. Therapeutically substitute brand to generic drugs
- d. Protect private information

81. Which committee determines the formulary?

- a. FDA
- b. Executive hospital committee
- c. P&T
- d. Medical executive council

82. Which of the following methods is preferred for prescription generation?

- a. Telephone
- b. E-prescribing
- c. Handwritten
- d. Faxed copy

83. The inscription is the part of the prescription that contains which of the following?

- a. Directions to the pharmacist
- b. Directions to the patient
- c. The Rx symbol
- d. The medication prescribed, quantity, and strength

- 84.** When is the last day that a medication can be safely used if it has an expiration date of 9/16/2017?
- a. 9/1/2017
 - b. 9/15/2017
 - c. 9/16/2017
 - d. 9/17/2017
- 85.** Which type of medication order would be issued for a medication needed immediately?
- a. STAT order
 - b. Discharge order
 - c. PRN order
 - d. Admitting order
- 86.** A spouse or child who is also covered on the member's insurance policy is known as which of the following?
- a. Deductible
 - b. Dependent
 - c. Premium
 - d. Subscriber
- 87.** What is the number for the Poison Control Center?
- a. 1-800-222-1222
 - b. 1-888-111-2111
 - c. 1-800-111-2111
 - d. 1-800-POISONC
- 88.** Who sets standards for medications, biologics, medical devices, and compounded products?
- a. OSHA
 - b. TJC
 - c. USP
 - d. P&T
- 89.** Calculate the last digit of the DEA number AS258382_.
- a. 5

- b. 7
- c. 8
- d. 9

90. You receive a prescription for ketoconazole 4% powder, sprinkle on left foot q8h \times 21 days. Ketoconazole powder is available from the manufacturer in 2% and 5% strengths. How much of each strength do you need to mix together to get 60 g of your final product?

- a. 20 g of 2% and 40 g of 5%
- b. 40 g of 2% and 20 g of 5%
- c. 15 g of 2% and 45 g of 5%
- d. 45 g of 2% and 15 g of 5%