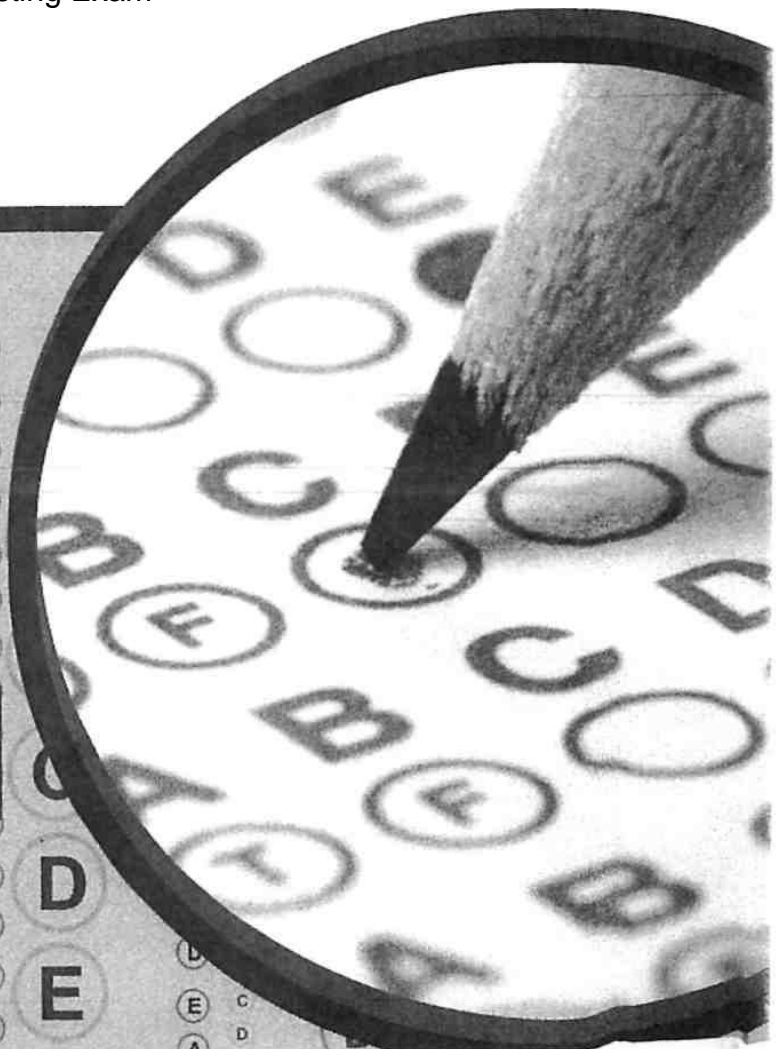


ProductID: NCCTNCPTPO 1

# National Certified Phlebotomy Technician Exam Practice Questions

NCCT Practice Tests & Review for the  
National Center for Competency Testing Exam

**Mometrix**  
TEST PREPARATION



# Practice Test 2

## Practice Questions

1. When an infection is spread through droplets, the phlebotomist is at risk when within \_\_\_\_\_.
  - a. 3 feet
  - b. 5 feet
  - c. 8 feet
  - d. 10 feet
2. Physician office laboratories are most often accredited by \_\_\_\_\_.
  - a. CLIA
  - b. COLA
  - c. CAP
  - d. The Joint Commission
3. If a lab sample is to be shipped to a reference laboratory for diagnostic studies, the required packaging is \_\_\_\_\_.
  - a. Single-container
  - b. Double-container
  - c. Triple-container
  - d. Quadruple-container
4. Considering the order of the draw, which collection tube/bottle should be filled first?
  - a. Light blue-capped tube
  - b. Green-capped tube
  - c. Red and black-capped tube
  - d. Yellow-capped SPS tube
5. When taking collection tubes with blood specimens from an isolation room, the specimens should be \_\_\_\_\_.
  - a. Sealed in a leak-proof plastic bag
  - b. Covered with a sterile drape
  - c. Placed in a labeled paper bag
  - d. Transported as usual
6. When using micro-collection tubes for a finger stick, the collection tube that should usually be filled first is \_\_\_\_\_.
  - a. Gray-capped
  - b. Lavender-capped
  - c. Green-capped
  - d. Yellow-capped
7. In the United States, all laboratory testing, except for research, is regulated by \_\_\_\_\_.
  - a. CMS
  - b. FDA
  - c. CAP
  - d. OSHA
8. If a vein collapses during a blood draw, the initial action should be to \_\_\_\_\_.
  - a. Rotate the needle
  - b. Insert the needle further into the vein

- c. Apply pressure above the venipuncture site
- d. Slightly withdraw the needle

9. The laboratory test that is most affected by hemolysis is \_\_\_\_\_.
- a. TP
  - b. Ca
  - c. Acid phosphatase
  - d. K
10. If a physician has ordered venipuncture for blood C&S, CBC, and BMP for an adult patient, what is the correct order of the draw (first to last)?
- a. C&S, CBC, BMP
  - b. C&S, BMP, CBC
  - c. CBC, BMP, C&S
  - d. CBC, C&S, BMP
11. Which of the following is permitted in the laboratory?
- a. Eating food
  - b. Applying makeup
  - c. Using the telephone
  - d. Changing contact lenses
12. Mouth pipetting of a blood sample is \_\_\_\_\_.
- a. Used for skin punctures only
  - b. Optional
  - c. Reserved for pathologists only
  - d. Prohibited
13. If the phlebotomist drops an unused glass collection tube, causing it to break and scatter pieces of glass, the phlebotomist should \_\_\_\_\_.
- a. Clean up the glass with a wet paper towel
  - b. Ask the nursing staff to clean up the glass
  - c. Guard the area and notify housekeeping
  - d. Notify a supervisor
14. If the laboratory institutes policy and procedural changes, the phlebotomist should expect to \_\_\_\_\_.
- a. Be consulted
  - b. Receive a salary increase
  - c. Receive appropriate training
  - d. Evaluate the procedures
15. A phlebotomist who wears contact lenses should \_\_\_\_\_.
- a. Avoid wearing them in the laboratory
  - b. Wear only hard lenses
  - c. Wear only soft lenses
  - d. Wear protective goggles in the laboratory
16. An indication that a localized infection has progressed to septicemia is \_\_\_\_\_.

- a. Chills and fever
  - b. Erythema
  - c. Localized edema
  - d. Bradycardia
17. Laboratory accreditation agencies generally require that laboratories follow the standards of the \_\_\_\_\_.
- a. CMS
  - b. CLSI
  - c. CAP
  - d. FDA
18. Which of the following should NOT result in a lawsuit for negligence?
- a. Doing a fingerstick on a 6-month-old infant
  - b. Providing information about a test to a child's mother
  - c. Misidentifying a patient
  - d. Lowering a bedrail and leaving it down
19. Which of the following information does NOT have to be provided to as part of informed consent?
- a. Methods
  - b. Risks
  - c. Benefits
  - d. Cost of testing
20. STAT blood tests are often performed on plasma rather than serum because \_\_\_\_\_.
- a. Serum requires longer processing time
  - b. Plasma provides better accuracy
  - c. Plasma collection is easier
  - d. Plasma tests are less expensive
21. A patient with an order for blood tests has clamped PICC line in the left arm, so the phlebotomist should draw blood from the \_\_\_\_\_.
- a. Right arm
  - b. Left arm, distal to the PICC line
  - c. Left arm, proximal to the PICC line
  - d. PICC line
22. In most states, the qualifications of phlebotomists are determined by \_\_\_\_\_.
- a. State licensing requirements
  - b. Accreditation agencies
  - c. Employers
  - d. CLSI
23. Which of the following panels of tests may provide the best information about a patient with suspected liver dysfunction?
- a. BMP
  - b. CMP
  - c. Lipid Profile
  - d. Electrolyte panel

24. The primary function of RBCs is to \_\_\_\_\_.  
a. Transport O<sub>2</sub> and CO<sub>2</sub>  
b. Fight infection  
c. Aid in blood clotting  
d. Prevent blood clotting
25. Lipid profiles may be completed on \_\_\_\_\_.  
a. Whole blood only  
b. Serum only  
c. Plasma only  
d. Serum or plasma
26. After a specimen of blood is removed from the body, it will normally clot in about \_\_\_\_\_.  
a. 5 minutes  
b. 10 minutes  
c. 20 minutes  
d. 30 minutes
27. The greatest risk when a tube breaks during centrifugation is \_\_\_\_\_.  
a. Aerosolization of sample  
b. Lacerations/Puncture wounds  
c. Equipment damage  
d. Electric shock
28. Which of the following tests/panels is NOT part of dementia screening?  
a. HIV antibody test  
b. Kidney function panel  
c. Thyroid function panel  
d. Liver function panel
29. If a hospital laboratory is accredited by CAP, how frequently is the accreditation reviewed?  
a. Annually  
b. Every 2 years  
c. Every 3 years  
d. Every 4 years
30. If plasma is needed for a chemistry test, the blood may be collected in a tube containing \_\_\_\_\_.  
a. Sodium heparin  
b. Sodium fluoride  
c. Na<sub>2</sub> EDTA  
d. Clot activator
31. Which of the following is NOT part of the WBC count and differential?  
a. Neutrophils  
b. Basophils  
c. Monocytes  
d. Thrombocytes

32. The most effective means of reducing the risk of infection during venipuncture is \_\_\_\_\_.  
a. Skin antisepsis  
b. Disinfection of environment surfaces  
c. Hand washing  
d. Rapid processing
33. Following venipuncture, bloodstained gauze should be placed in a \_\_\_\_\_.  
a. Paper bag  
b. Hazardous waste container  
c. Bedside wastebasket  
d. Sharps container
34. Which of the following is NOT part of the renal system?  
a. Adrenal glands  
b. Kidneys  
c. Bladder  
d. Ureters
35. A blood specimen for a CBC should be collected in a tube that contains \_\_\_\_\_.  
a. No additive  
b. ACD  
c. Na<sub>2</sub> EDTA  
d. Clot Activator
36. Which of the following WBC counts is within the normal range of values?  
a. 4,000 cells/mm<sup>3</sup>  
b. 8,000 cells/mm<sup>3</sup>  
c. 11,000 cells/mm<sup>3</sup>  
d. 20,000 cells/mm<sup>3</sup>
37. The myocardial infarction panel does NOT include \_\_\_\_\_.  
a. Troponin I  
b. Myoglobin  
c. CK-MB  
d. Creatinine
38. A blood sample in a gray-capped evacuated collection tube should be inverted a minimum of \_\_\_\_\_.  
a. 5 times  
b. 6 times  
c. 8 times  
d. 12 times
39. A viral infection may result in increased \_\_\_\_\_.  
a. Neutrophils  
b. Lymphocytes  
c. Monocytes

- d. Thrombocytes
40. An electrolyte panel includes \_\_\_\_\_.  
a. CO<sub>2</sub>, Cl, K, and Na  
b. CO<sub>2</sub>, Cl, Ca, and K  
c. Cl, K, Na, and PO<sub>4</sub>  
d. CO<sub>2</sub>, PO<sub>4</sub>, Na, and K
41. Which of the following evacuated collection tubes should NOT be used to collect a specimen for a BMP?  
a. Red-capped with clot activator  
b. Red/Black SST  
c. Lavender-capped  
d. Green-capped
42. The primary reason that specimens are rejected in the lab is because of \_\_\_\_\_.  
a. Breakage  
b. Overfilling  
c. Incorrect additive  
d. Hemolysis
43. To *aliquot* a specimen means to \_\_\_\_\_.  
a. Divide the specimen into portions  
b. Dilute a specimen  
c. Concentrate a specimen  
d. Centrifugate the specimen
44. If asked to transport a urine specimen to the laboratory, the phlebotomist should realize the longest the specimen can be stored at room temperature is \_\_\_\_\_.  
a. 30 minutes  
b. 1 hour  
c. 1.5 hours  
d. 2 hours
45. If 3 tubes, each containing 2 mL of CSF, are collected, which collection tube should be used for C&S?  
a. First  
b. Second  
c. Third  
d. Order doesn't matter
46. The type of fluid that is collected with a thoracentesis is \_\_\_\_\_.  
a. Peritoneal  
b. Pericardial  
c. Pleural  
d. Synovial
47. A patient hospitalized for chemotherapy for renal cancer would most likely be treated in which department?  
a. Oncology  
b. Hematology  
c. Endocrinology

d. Cardiology

48. Which of the following may violate the chain of custody for a forensic specimen?
- Signing the chain of custody form
  - Asking a nurse to temporarily store the specimen
  - Placing the specimen in a transfer bag
  - Documenting the patient's identification
49. Blood draws for a GTT are usually done at \_\_\_\_\_.
- 60 minutes, 1 hour, 2 hours, and 4 hours
  - 30 minutes, 60 minutes, 90 minutes, and 2 hours
  - 2 hours, 4 hours, 6 hours, and 8 hours
  - 30 minutes, 1 hour, 2 hours, and 3 hours
50. Using a foot vein for a blood draw \_\_\_\_\_.
- Is prohibited
  - Poses no increased risks
  - Increases risk of blood clots
  - Is negligent
51. If a patient has severely impaired circulation in the legs and has had a recent bilateral mastectomy, the best choice for a blood draw is probably \_\_\_\_\_.
- Foot or ankle veins
  - Artery
  - Dominant arm
  - Nondominant arm
52. The organization that develops and publishes the National Patient Safety Goals is \_\_\_\_\_.
- The Joint Commission
  - COLA
  - CAP
  - CLIA
53. If a puncture is very thin with prominent veins that require a low needle angle for venipuncture, the best choice is probably \_\_\_\_\_.
- 21-gauge needle with tube holder
  - Winged infusion set with syringe
  - 21-gauge needle with syringe
  - 23-gauge needle with syringe
54. If protocol for blood C&S requires skin antisepsis with alcohol (isopropyl 70%) followed by tincture of iodine (2%), but the patient is allergic to iodine, an acceptable alternate procedure is \_\_\_\_\_.
- Wash with soap and water and cleanse once with alcohol
  - Cleanse twice with alcohol
  - Cleanse 3 times with alcohol
  - Wash with soap and water and cleanse twice with alcohol
55. If a patient complains of feeling faint and appears suddenly pale and shaky during a venipuncture, the initial response should be to \_\_\_\_\_.
- Complete blood draw



- b. Call for help
  - c. Remove needle
  - d. Tell patient to place head between legs
56. The maximum volume of blood that may be drawn from a 20 lb infant in a 1-month period (or less) of hospitalization is \_\_\_\_\_.  
a. 20 mL  
b. 60 mL  
c. 100 mL  
d. 140 mL
57. Handwritten patient ID labels are often used instead of preprinted labels for \_\_\_\_\_.  
a. Blood bank testing  
b. Cost saving  
c. Genetic testing  
d. C&S
58. For a patient receiving warfarin (Coumadin), the INR is usually maintained at \_\_\_\_\_.  
a. 0.5 to 1  
b. 1 to 2  
c. 2 to 3  
d. 3 to 4
59. Which of the following is NOT an example of a preanalytical error?  
a. Incorrect patient ID on printed lab results  
b. Blood drawn from an edematous arm  
c. Incorrect additive in specimen  
d. Tourniquet left in place for 3 minutes
60. Which of the following is NOT usually required on a computer-generated requisition for a blood test?  
a. Patient's name and birthdate  
b. Patient allergies/sensitivities  
c. Test status (specific guidelines)  
d. Patient's address
61. The primary purpose of therapeutic drug monitoring (TDM) is to \_\_\_\_\_.  
a. Identify optimal dosing  
b. Determine abuse of drugs  
c. Wean patient off of drugs  
d. Prevent adverse effects
62. A specimen for a bilirubin test should be \_\_\_\_\_.  
a. Processed within 15 minutes  
b. Maintained at body temperature  
c. Protected from light  
d. Chilled immediately
63. The artery that carries the blood directly from the heart to other vessels and parts of the body is the \_\_\_\_\_.  
a. Carotid

- b. Vena cava
- c. Iliac
- d. Aorta

64. If the needle hits the median nerve during an antecubital venipuncture, the most common patient complaint is \_\_\_\_\_.  
a. Numbness  
b. Dull aching pain  
c. Muscle twitching  
d. Severe shock-like pain
65. Which of the following equipment is NOT part of that needed for routine venipuncture?  
a. Cotton balls  
b. Gauze sponges  
c. Tube holders  
d. Needles
66. Which of the following procedures is NOT used to help visualize superficial veins?  
a. Tap the vein  
b. Apply warm, moist compress  
c. Raise the arm  
d. Massage (distal to proximal)
67. If a physician has ordered 4 different blood tests for a patient, the first thing that the phlebotomist should consider is \_\_\_\_\_.  
a. The time needed for venipuncture  
b. The order of the draw  
c. The needle size  
d. The equipment needed
68. When collecting a blood specimen from a 2-month-old infant, the primary interactions will be between the phlebotomist and the \_\_\_\_\_.  
a. Infant  
b. Nurse  
c. Parent  
d. Physician
69. If blood must be drawn from a 3-year-old child, the phlebotomist should \_\_\_\_\_.  
a. Ask the parent to wait outside the room  
b. Explain the procedure to the parent only  
c. Ask a nurse to hold the child  
d. Explain the procedure to the child
70. When preparing to do a venipuncture on an Asian patient, the phlebotomist notes that the patient avoids eye contact, probably indicating \_\_\_\_\_.  
a. Fear  
b. Anger  
c. Dishonesty  
d. Cultural norm
71. If a venipuncture is required from an elderly patient with obvious tremors of the upper extremities, the best solution is to \_\_\_\_\_.

- a. Ask the patient to keep the arm still
  - b. Ask a nurse to assist in stabilizing the arm
  - c. Use an ankle or foot vein
  - d. Refuse to do the venipuncture
72. Which of the following governmental agencies requires the use of needleless blood transfer devices?
- a. CMS
  - b. FDA
  - c. CDC
  - d. OSHA
73. If a person is donating blood at a blood bank, the maximum volume of blood that the person can donate at one time is \_\_\_\_\_.
- a. 200 mL
  - b. 250 mL
  - c. 500 mL
  - d. 650 mL
74. The organ that lies in the RUQ of the abdomen, superior to the intestines, is the \_\_\_\_\_.
- a. Liver
  - b. Stomach
  - c. Pancreas
  - d. Kidney
75. A preservative used in the laboratory is categorized as which type of hazard?
- a. Biologic
  - b. Chemical
  - c. Physical
  - d. Explosive
76. Which type of fire extinguisher can be used to put out an electrical fire?
- a. Type A (water)
  - b. Type AB (foam)
  - c. Type D (dry metal powder)
  - d. Type ABC (ammonium phosphate)
77. Phlebotomists are most likely to develop sensitivity to latex because of \_\_\_\_\_.
- a. Exposure to latex tourniquets
  - b. Wearing latex gloves
  - c. Cross-reactivity to food allergies
  - d. Exposure to latex-capped collection tubes
78. The HIV test is an example of which type of laboratory test?
- a. Immunologic
  - b. Chemical
  - c. Microbiological
  - d. Coagulation
79. According to the American Hospital Association's *The Patient Care Partnership*, patients do NOT have the right to expect \_\_\_\_\_.
- a. Clean, safe environment
  - b. Privacy protection
  - c. Cost-effective care

d. Involvement in care

80. If, after filling a collection tube, the phlebotomist notes blood on the outside of a collection tube, the correct action is to \_\_\_\_\_.  
a. Discard the specimen in a biohazard waste container  
b. Wipe tube with disinfectant and seal in a biohazard bag  
c. Discard the specimen in a sharps container  
d. Transport to lab in gloved hand
81. Bandages are usually avoided in children younger than 2 years because \_\_\_\_\_.  
a. They are not needed  
b. Toddlers often have latex allergies  
c. They may cause contact dermatitis  
d. They pose a choking hazard
82. Which equipment poses the greatest risk of transfer of bacteria in a hospital?  
a. Floors  
b. Bedside table  
c. Bedrails  
d. Door handles
83. The highest normal value for hemoglobin is usually found in a(n) \_\_\_\_\_.  
a. Neonate  
b. Child (6 years)  
c. Adult male  
d. Adult female
84. PEP after needlestick injury is available for \_\_\_\_\_.  
a. HIV and HCV  
b. HIV and HBV  
c. HBV and HCV  
d. HIV only
85. Blood is supplied to the myocardium (heart muscle) by the \_\_\_\_\_.  
a. Aorta  
b. Vena cava  
c. Coronary arteries  
d. Coronary veins
86. Which of the following is NOT one of the three main vessel types?  
a. Venules  
b. Capillaries  
c. Veins  
d. Arteries
87. In the GI tract, most absorption of nutrients, such as vitamins and proteins, occurs in the \_\_\_\_\_.  
a. Mouth  
b. Stomach  
c. Large intestine  
d. Small intestine

88. Which of the body's organs is the largest?
- Liver
  - Lung
  - Skin
  - Heart
89. Which of the following is NOT commonly associated with nosocomial infections?
- Staphylococcus aureus
  - Mycobacterium tuberculosis
  - MRSA
  - Clostridium difficile
90. During a venipuncture, if the needle goes through the vein and a hematoma begins to rapidly develop, the next step is to \_\_\_\_\_.
- Complete the blood draw and then apply pressure
  - Remove the needle and tourniquet and elevate the arm
  - Complete the blood draw and apply an ice compress
  - Remove the needle and tourniquet and apply pressure
91. If a patient is extremely obese and the phlebotomist cannot palpate or locate to the veins in the arms, the best solution is to \_\_\_\_\_.
- Call for assistance
  - Estimate vein position and do venipuncture
  - Request change to arterial blood draw
  - Use feet and/or ankle veins
92. Venipuncture of which of the following veins poses the greatest risk of accidental puncture of an artery?
- Median cubital vein
  - Cephalic
  - Basilic vein
  - Metacarpal vein
93. When entering a room to draw blood from an individual on contact precautions, which PPE is generally required?
- Gloves only
  - Gloves and gown
  - Gloves, gown, and face shield
  - Gloves, gown, face shield, and respirator
94. Underfilling a green-capped evacuated collection tube may result in \_\_\_\_\_.
- Low test results
  - Clotting
  - Cell morphology changes
  - No adverse effects
95. If the phlebotomist must don PPE to enter an airborne isolation room, in which order should PPE be

donned (first to last)?

- a. Respirator, face shield, gloves, gown
- b. Face shield, gloves, gown, respirator
- c. Gown, gloves, respirator, face shield
- d. Gown, respirator, face shield, gloves

96. With the exception of the label, the AABB pink-capped evacuated collection tube is the same as the \_\_\_\_\_.

- a. Green-capped
- b. Light blue-capped
- c. Lavender-capped
- d. Red-capped

97. Before a blood specimen is collected from a newborn for routine screening for inborn errors of metabolism (IEM), the infant should \_\_\_\_\_.

- a. Have been nursed or bottle-fed for at least 12 hours
- b. Have been nursed or bottle-fed for at least 24 hours
- c. Avoided nursing or bottle-feeding for at least 2 hours
- d. Avoided nursing or bottle-feeding for at least 4 hours

98. Which type of microorganism is usually the causative agent in sepsis?

- a. Viruses
- b. Parasites
- c. Fungi
- d. Bacteria

99. After using a needle and tube holder to collect a blood specimen, the tube holder should be \_\_\_\_\_.

- a. Separated from the needle for reuse
- b. Separated from the needle for disposal in the hazardous waste container
- c. Disposed of as one unit with the needle in the sharps container
- d. Separated from the needle and disposed of in open waste container

100. For which of the following evacuated collection tubes is the minimal acceptable draw volume 100%?

- a. Light blue- and yellow-capped
- b. Red- and lavender-capped
- c. Green- and gray-capped
- d. Yellow- and green-capped

101. To prevent transmission of pathogenic organisms, natural nails should NOT be longer than \_\_\_\_\_.

- a. 1/16 inch
- b. 1/8 inch
- c. 1/4 inch
- d. 1/2 inch

102. Which of the following items requires disinfection?

- a. Surgical instruments
- b. Blood pressure cuffs
- c. Furniture in the waiting area
- d. Windows

103. Which of the following tests are NOT usually part of the workup for DIC, a coagulation disorder?

- a. Hgb and Hct
- b. PT, aPTT, and TT

- c. D-dimer and fibrinogen
- d. ESR and BUN

104. A blood disease that results in abnormally shaped RBCs that block vessels and cause severe pain is \_\_\_\_\_.

- a. Sickle cell disease
- b. Pernicious anemia
- c. Iron deficiency anemia
- d. Myelopathic anemia

105. The phlebotomist should evaluate the risk of violence with \_\_\_\_\_.

- a. Confused patients
- b. All patients
- c. Inebriated patients
- d. Angry patients

106. Blood should never be drawn on a patient who is \_\_\_\_\_.

- a. Unconscious
- b. Confused
- c. Upset
- d. Asleep

107. Which of the following is an acceptable part of professional behavior?

- a. Pointing out an error in collection tube selection
- b. Using the telephone during a meeting
- c. Failing to greet coworkers when entering the lab
- d. Arriving to a meeting late

108. Which of the following is a health hazard as opposed to a physical hazard?

- a. Compressed gas
- b. Combustible liquid
- c. Explosive material
- d. Corrosive chemical

109. Which of the following is an example of an immunologic test?

- a. LD
- b. RF
- c. BUN
- d. MCH

110. Exchange of information contained in electronic health records is regulated by \_\_\_\_\_.

- a. FCC
- b. FDA
- c. HIPAA
- d. CDC

111. The normal pH of the blood should be in the range of \_\_\_\_\_.

- a. 7.25 to 7.3

- b. 7.3 to 7.35
- c. 7.35 to 7.45
- d. 7.45 to 7.5

112. Distal refers to being \_\_\_\_\_.  
a. Farthest from the point of reference  
b. Nearest to a point of reference  
c. Above a point of reference  
d. Below a point of reference
113. The anatomical plane that divides the body horizontally into upper and lower portions is the \_\_\_\_\_.  
a. Sagittal  
b. Frontal  
c. Midsagittal  
d. Transverse
114. The heartbeat originates in the \_\_\_\_\_.  
a. AV node  
b. SA node  
c. bundle of His  
d. intermodal pathway fibers
115. The most common pattern for antecubital veins is \_\_\_\_\_.  
a. H-shaped  
b. B-shaped  
c. N-shaped  
d. M-shaped
116. The vein that returns deoxygenated blood to the right atrium from the upper part of the body is the \_\_\_\_\_.  
a. Aorta  
b. Saphenous  
c. Superior vena cava  
d. Inferior vena cava
117. The least common blood type (ABO system) is \_\_\_\_\_.  
a. A  
b. B  
c. O  
d. AB
118. Which of the 4 stages of hemostasis occurs first?  
a. Formation of platelet plug  
b. Vasoconstriction  
c. Fibrinolysis  
d. Formation of fibrin clot
119. In a collection tube of separated whole blood, the buffy white coat is composed of \_\_\_\_\_.



- a. WBCs and platelets
- b. RBCs
- c. Plasma
- d. Lipids

120. Which of the following blood cells does NOT contain a nucleus?

- a. Neutrophil
- b. Lymphocyte
- c. Erythrocyte
- d. Platelet

121. Which of the following hazardous label colors is used to indicate a substance that is reactive, normally stable but may become unstable and dangerous if heated?

- a. Blue
- b. White
- c. Yellow
- d. Red

123. Which of the following is NOT a good solution to the dealing with nonstandard shift work, such as 11 PM to 7 AM?

- a. Maintain different sleep patterns for working and nonworking days
- b. Schedule regular naptimes
- c. Avoid caffeinated beverages up to 6 hours before scheduled bedtime
- d. Use room-darkening shades while sleeping

124. Lymph fluid is similar in compensation to \_\_\_\_\_.

- a. Bile
- b. Plasma
- c. Chyme
- d. Serum

125. If a phlebotomist develops dermatitis from all types of gloves, the best solution is to \_\_\_\_\_.

- a. Stop wearing gloves
- b. Double wash the hands only
- c. Use glove liners or barrier cream
- d. Wear gloves as briefly as possible

126. Alcohol-based antiseptics are more commonly used than providone-iodine-based antiseptics because \_\_\_\_\_.

- a. Alcohol is more effective
- b. Alcohol is less expensive
- c. Providone-iodine is more irritating to the skin
- d. Providone-iodine is more likely to cause allergic response

127. What is the purpose of a Vein Entry Indicator Device (VEID)?

- a. Indicate when a needle penetrates a vein
- b. Identify the pattern of veins
- c. Differentiate arteries from veins
- d. Prevent hematomas from venipuncture

128. Which of the following is NOT a characteristic of a safety feature for a venipuncture needle?
- Activation is from behind needle
  - Activation requires one hand only
  - May be detachable
  - Provides permanent containment
129. Evacuated collection tubes can be stored at \_\_\_\_\_.
- Any temperature
  - 4°C to 25°C
  - 1°C to 20°C
  - 18°C to 25°C
130. If the phlebotomist underfilled one collection tube (A) and overfilled another (B) with the same additive, the best solution is to \_\_\_\_\_.
- Transfer some blood from tube B to tube A
  - Redraw blood for both tubes
  - Redraw for tube A
  - Redraw for tube B
131. The temperature of a heel-warming device used to increase blood flow in a neonate should not exceed \_\_\_\_\_.
- 38°C
  - 40°C
  - 42°C
  - 44°C
132. Metal filings ("fleas") may be used with capillary blood glass collection tubes to \_\_\_\_\_.
- Seal the tube ends
  - Collect the blood sample
  - Conduct the heel stick
  - Mix blood with anticoagulant
133. If a venipuncture is done on the basilica vein and the blood returns bright red and appears to pulse, this indicates \_\_\_\_\_.
- Accidental arterial draw
  - High blood pressure
  - Blood abnormality
  - Successful blood draw
134. Iatrogenic anemia in a neonate is caused by \_\_\_\_\_.
- Excessive bleeding
  - Excessive blood draws
  - Inadequate nutrition
  - Genetic disease
135. The best time to obtain a blood specimen for lowest cortisol level is at about \_\_\_\_\_.
- Noon
  - Midnight
  - 5 AM
  - 8 PM

136. The correct collection tube for ethanol level is \_\_\_\_\_.  
a. Light blue-capped  
b. Royal blue-capped  
c. Gray-capped  
d. Green-capped
137. If, when arriving in a patient's room to do a blood draw, the patient says the physician advised her she would need no further blood tests, the phlebotomist should \_\_\_\_\_.  
a. Assure the patient the physician ordered the tests  
b. Ask when the physician made the statement  
c. Assume the patient is incorrect  
d. Verify the orders with the physician
138. If serum appears milky, this likely indicates \_\_\_\_\_.  
a. Lipemia  
b. Bacterial infection  
c. Viral infection  
d. Dehydration
139. The primary reason that a blood test is scheduled for a predawn hour when the patient is normally sleeping is \_\_\_\_\_.  
a. Diurnal variation  
b. Staff availability  
c. Error in order  
d. Patient anxiety
140. The additive that is most effective at preserving coagulation factors is \_\_\_\_\_.  
a. Potassium oxalate  
b. Lithium heparin  
c. Na<sub>2</sub> EDTA  
d. Sodium citrate
141. Warning signs, such as "fall precautions," are usually placed on the \_\_\_\_\_.  
a. Foot of the patient's bed  
b. Wall behind the patient's head  
c. Patient's door  
d. Patient's armband
142. If, after completing a venipuncture requiring fasting, the patient asks for a drink of water but none is available at bedside, the phlebotomist should \_\_\_\_\_.  
a. Get the patient a glass of water  
b. Refer the request to a nurse  
c. Tell the patient no water is available  
d. Tell the patient he is not allowed water
143. "DNR" means \_\_\_\_\_.  
a. Do not record  
b. Does not remember  
c. Does not respond  
d. Do not resuscitate
144. If a patient states he has severe needle phobia, the phlebotomist should \_\_\_\_\_.

- a. Have the patient lie flat for venipuncture
- b. Reassure the patient that the venipuncture will not hurt
- c. Tell the patient to take deep breaths
- d. Reassure the patient that the procedure is very fast

145. If drawing blood from a metacarpal vein, the tourniquet should be placed \_\_\_\_\_.

- a. Above the elbow
- b. Below the elbow
- c. Above the wrist bone
- d. Below the wrist bone

146. The C-hold (anchoring the vein with the index finger above the venipuncture site and with the thumb below) \_\_\_\_\_.

- a. Is used for rolling veins
- b. Increases risk of needlestick
- c. May collapse the vein
- d. Is an advanced technique

147. If a patient with rheumatoid arthritis has severe flexion contractures of both arms and hands, the best solution for selecting a venipuncture site is probably to \_\_\_\_\_.

- a. Ask the patient
- b. Use the nondominant hand
- c. Use the foot or ankle
- d. Suggest an arterial draw

148. Which of the following is a method of preventing reflux?

- a. Allow back and forth movement in the tube while filling
- b. Maintain the arm in a downward position while filling the tube
- c. Maintain the arm in an upward position while filling the tube
- d. Hold the collection tube very still while filling

149. Which of the following methods may prevent hemoconcentration during a venipuncture?

- a. Ask the patient to hold a fist during blood flow
- b. Thoroughly massage the vein prior to venipuncture
- c. Release the tourniquet with 2 minutes
- d. Advise the patient to avoid pumping the fist

150. If drawing a blood specimen from an adolescent, the phlebotomist should recognize that most adolescents are \_\_\_\_\_.

- a. Self-conscious
- b. Belligerent
- c. Fearful
- d. Disinterested

## ANSWER KEY

1. A	51. B	101.C
2. B	52. A	102.B
3. C	53. B	103.D
4. D	54. D	104.A
5. A	55. C	105.B
6. B	56. B	106.D
7. A	57. A	107.A
8. C	58. C	108.D
9. D	59. A	109.B
10. B	60. D	110.C
11. C	61. A	111.C
12. D	62. C	112.A
13. C	63. D	113.D
14. C	64. D	114.B
15. D	65. A	115.A
16. A	66. C	116.C
17. B	67. B	117.D
18. B	68. C	118.B
19. D	69. B	119.A
20. A	70. D	120.D
21. D	71. A	121.C
22. C	72. D	122.B
23. B	73. C	123.A
24. A	74. A	124.B
25. D	75. B	125.C
26. C	76. D	126.D
27. A	77. B	127.A
28. D	78. A	128.C
29. B	79. C	129.B
30. A	80. B	130.B
31. D	81. D	131.C
32. C	82. C	132.D
33. B	83. A	133.A
34. A	84. B	134.B
35. C	85. C	135.B

36. B	86. A	136.C
37. D	87. D	137.D
38. C	88. C	138.A
39. B	89. B	139.A
40. A	90. D	140.D
41. C	91. A	141.C
42. D	92. C	142.B
43. A	93. B	143.D
44. D	94. A	144.A
45. B	95. D	145.C
46. C	96. C	146.B
47. A	97. B	147.A
48. B	98. D	148.B
49. D	99. C	149.D
50. C	100.A	150.A