

Chapter 2

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) The first officer arriving at a crime scene, after providing or obtaining medical assistance for the injured and effecting an arrest of suspects (if possible), should immediately
 - A) make a rough sketch of the scene
 - B) search for evidence
 - C) photograph the scene
 - D) secure the scene
 - E) take notes

- 2) The first responding officer must make attempts at the crime scene to detain and question:
 - A) witnesses
 - B) unauthorized personnel
 - C) suspects
 - D) both A and C
 - E) all of the above

- 3) Police barricades, and the strategic positioning of guards, will prohibit access to the crime scene for
 - A) all law enforcement personnel
 - B) civilians only
 - C) all unauthorized personnel
 - D) civilians and media personnel
 - E) none of the above

- 4) The conditions at a crime scene can be compromised by all of the following actions EXCEPT
 - A) eating food at the crime scene
 - B) turning a faucet on at the crime scene
 - C) adjusting the temperature of the crime scene
 - D) taking photographs at the crime scene
 - E) smoking at the crime scene

- 5) The size and location of the crime scene as well as the events that occurred there will determine
 - A) the amount of care that must be taken during the crime scene search
 - B) the number of personnel who will process the evidence at the crime laboratory
 - C) the time at which the crime scene is searched
 - D) the kind of search pattern that is used to locate evidence
 - E) the kind of evidence that will be missing

- 6) Which search pattern would be best suited for a crime scene where many investigators are available to search a large area?
 - A) grid
 - B) line
 - C) wheel
 - D) zone
 - E) spiral

- 7) The purpose of the crime scene search is to locate
- A) DNA-containing evidence
 - B) fingerprint evidence
 - C) blood stain patterns
 - D) all physical evidence
 - E) none of the above
- 8) The most basic methods of crime scene recording do NOT include
- A) infrared analysis
 - B) narrated videotapes
 - C) sketches
 - D) photographs
 - E) note taking
- 9) If the crime scene includes a dead body, the photographer should
- A) determine the time of death
 - B) depict injuries and weapons at scene
 - C) attempt to identify the victim
 - D) attempt to locate the victim's next of kin
 - E) document all forensic personnel at crime scene
- 10) A rough sketch need NOT include a
- A) location of walls, doors and windows in the building on scene
 - B) sketch of the suspect(s)
 - C) compass heading designating north
 - D) date, location, and time of the incident
 - E) location of all recovered physical evidence
- 11) CAD programs enhance the ability to
- A) produce a finished crime scene sketch
 - B) edit video tape
 - C) develop photographs
 - D) create chain-of-custody documents
 - E) take complete notes
- 12) Which statement about note taking is NOT true?
- A) Notes should include location of physical evidence recovered.
 - B) Note taking is done after all crime scene processing has been completed.
 - C) The date of the investigation should be recorded.
 - D) Disposition of items after collection must be included.
 - E) The individual who packaged and marked items of evidence should be recorded.
- 13) Which crime scene search pattern would absolutely require more than one investigator?
- A) line
 - B) zone
 - C) spiral
 - D) grid
 - E) none of the above

- 14) Physical evidence at a hit-and-run scene could include
- A) glass fragments
 - B) fabric impressions
 - C) paint chips
 - D) fiber and tissue
 - E) all of the above
- 15) The crime scene notes must accurately record:
- A) descriptions of evidence present at the crime scene
 - B) the tasks assigned each investigator
 - C) personnel arrivals and departures from the scene
 - D) arrival and departure times of media personnel and on-lookers
 - E) A, B, and C
- 16) The advantages of tape-recording crime scene notes on an audio tape include all of the following EXCEPT
- A) audio tapes have the added security feature of preventing erasure or taping over if the security tab on the tape
 - B) the investigator's hands are free to carry out other tasks while recording the notes
 - C) the notes are recorded as the observations are made
 - D) the notes can be recorded at the crime laboratory instead of at the crime scene
 - E) all of the above are advantages of tape-recording notes
- 17) In digital photography, light is recorded as a specific charge on millions of tiny
- A) silver halide grains
 - B) monitors
 - C) semi-conductors
 - D) pixels
 - E) charge coupled devices
- 18) Digital crime scene photographs require special measures to assure their admissibility in court due to
- A) their poor quality
 - B) the inability to manipulate the images
 - C) the ability to manipulate the images
 - D) the lack of availability of digital cameras
 - E) the difficulty involved in compressing the file size
- 19) Videotapes of the crime scene:
- A) must be complemented by a hard copy of notes and separate still photographs
 - B) are required in all jurisdictions
 - C) are not admissible in court due to the poor image quality
 - D) are generally of poor quality and little value
 - E) can be used in place of notes and photographs
- 20) Crime scene sketches serve a unique purpose in permanently documenting the location of evidence:
- A) collected and removed from the crime scene
 - B) in plain view
 - C) containing drug evidence
 - D) not documented in photographs
 - E) processed at the crime scene

- 21) From the choices below, select the one correct physical evidence collection procedure.
- A) Every item should be secured individually in a plastic bag to prevent contamination.
 - B) Items recovered from scene of a murder should be sent along with the body to the Medical Examiner.
 - C) The victim's clothing should be obtained at the crime scene and vacuumed to obtain trace evidence.
 - D) All items collected from the same grid area should be packaged together.
 - E) Bloodstained garments should be packaged separately in paper bags.
- 22) Investigators should collect possible carriers of trace evidence which may include
- A) clothing
 - B) vacuum sweepings
 - C) vehicles
 - D) fingernail scrapings
 - E) all of the above
- 23) Changes to evidence, such as contamination, can be prevented by handling evidence with
- A) latex gloves
 - B) reusable forceps
 - C) disposable forceps
 - D) dry, bare hands
 - E) A and C
- 24) Charred debris from an arson scene should be
- A) thrown away with the other fire debris
 - B) packaged in air tight glass jar
 - C) placed in Ziploc® bags
 - D) placed together with similar items in a paper bag
 - E) aired out before packing in plastic wrap
- 25) A victim's fingernail scrapings would be correctly packaged in
- A) a druggist fold
 - B) a plastic Ziploc® bag
 - C) sealed, airtight containers
 - D) both B and C
 - E) none of the above
- 26) The successful outcome of a criminal investigation is almost always directly related to
- A) whether the crime is considered high profile
 - B) the manner in which the evidence is collected and preserved
 - C) the complexity of the crime
 - D) the number of people employed in the crime lab
 - E) the volume of the physical evidence collected
- 27) A properly maintained chain of custody is NOT the responsibility of the
- A) trace evidence examiner
 - B) evidence clerk
 - C) crime scene processor
 - D) forensic technician
 - E) trial judge

- 28) Success in the recognition and collection of physical evidence is determined primarily by the
- A) type of evidence involved
 - B) time available to the evidence collectors
 - C) notoriety of the case
 - D) skill of personnel processing the crime scene
 - E) the size of the budget of the crime lab
- 29) The collection of standard reference samples at the crime scene is important because they
- A) prove the continuity of possession
 - B) are obtained only from suspects in cases of violent assault
 - C) permit comparisons to be made with the evidence
 - D) prevent the laboratory from making mistakes
 - E) serve as a source of extra test material if required in the crime lab
- 30) The presence of blood and semen at crime scenes exposes investigators to
- A) hepatitis B
 - B) AIDS
 - C) both A and B
 - D) neither A nor B
- 31) The removal of any evidence from a person or from the scene of a crime must be done in conformity with the privileges of which amendment to the Constitution?
- A) Fourth
 - B) First
 - C) Tenth
 - D) Sixth
 - E) Fifth
- 32) The police are not required to obtain a search warrant if they are
- A) in the process of a legal arrest
 - B) sure that it is necessary
 - C) unable to locate a judge to issue a warrant
 - D) certain their suspect is guilty
 - E) investigating the murder of a fellow officer
- 33) A U.S. Supreme Court decision which dealt with the impropriety of the warrantless collection of physical evidence at a homicide scene?
- A) *Mincey v. Arizona*
 - B) *Frye v. US*
 - C) *Mapp v. US*
 - D) *People v. Wilkens*
 - E) *Gilbert v. California*
- 34) Which type of evidence must be packaged separately from other evidence?
- A) biological stain evidence
 - B) DNA-containing evidence
 - C) arson evidence
 - D) A and B
 - E) all of the above

- 35) Which of the following items is likely to contain DNA evidence?
- A) a glass fragment
 - B) a blue rug fiber
 - C) a bedsheet
 - D) a self-adhesive mailing stamp
 - E) all of the above
- 36) The evidence collector must take extraordinary care to avoid potential contamination by transferring DNA onto objects of evidential value by
- A) wearing a face mask
 - B) packaging items containing potential DNA evidence in air-tight bags
 - C) packaging all items containing potential DNA evidence in the same package
 - D) reusing shoe covers
 - E) using the same pair of forceps to collect all evidence at the crime scene
- 37) A properly maintained chain of custody is NOT the responsibility of the
- A) trial judge
 - B) crime scene processor
 - C) forensic technician
 - D) trace evidence examiner
 - E) evidence clerk
- 38) The best way to guarantee that the evidence will withstand inquiries about what happened to it from the time of its finding to its presentation in court is to
- A) properly record the crime scene
 - B) properly complete evidence submission forms
 - C) properly maintain the chain of custody of each item
 - D) properly mark evidence for identification
 - E) all of the above
- 39) When biological samples of unknown origin are discovered at a crime scene, investigators:
- A) should assume pathogens are present and treat the sample as such
 - B) should assume no pathogens are present and treat the samples as such
 - C) should handle the material without any protection gear
 - D) should allow only trained hazardous material teams to handle the evidence
 - E) should package them in plastic bags
- 40) Special circumstances at a crime scene may require the use of all of the following for evidence collection EXCEPT:
- A) particle masks
 - B) shoe covers
 - C) biohazard packages
 - D) coveralls
 - E) all of the above may be required

- 41) "The right of the people to be secure in their persons, houses, papers, and effects, against unreasonable searches and seizure..." is provided for in the United States by the
- A) Frye standard
 - B) Fourth Amendment
 - C) Declaration of Independence
 - D) Coppelino decision
 - E) Second Amendment
- 42) Warrantless searches are permitted under law in all of the following situations EXCEPT:
- A) the consent of the parties involved
 - B) the injury or death of a police officer or law enforcement employee
 - C) the existence of emergency circumstances
 - D) the need to prevent the immediate loss of evidence
 - E) all of the above are circumstances under which warrantless searches are permitted
- 43) The manner of collecting and preserving physical evidence at a crime scene is determined by
- A) the importance of the case
 - B) the nature of the evidence
 - C) the availability of suitable packaging material
 - D) the number of evidence collectors present at the crime scene
 - E) the circumstances of the crime
- 44) Physical evidence may be obtained from
- A) the crime scene
 - B) the suspect
 - C) the victim
 - D) all of the above
 - E) none of the above
- 45) All of the following items may be placed in an airtight container EXCEPT:
- A) charred debris recovered from a fire
 - B) glass
 - C) bloodstained clothing
 - D) explosive residues
 - E) hairs and fibers
- 46) The evidence collector is not concerned with
- A) labeling evidence
 - B) maintaining the chain of custody
 - C) collecting control specimens
 - D) utilizing the proper packaging material for evidence
 - E) determining the natural variations that exist in physical evidence

Chapter 2 Answer Key

- | | |
|------|-------|
| 1) D | 24) B |
| 2) D | 25) A |
| 3) C | 26) B |
| 4) D | 27) E |

5) D

6) D

7) D

8) A

9) B

10) B

11) A

12) B

13) B

14) E

15) E

16) D

17) D

18) C

19) A

20) A

21) E

22) E

23) E

28) D

29) C

30) C

31) A

32) A

33) A

34) E

35) C

36) A

37) A

38) E

39) A

40) E

41) B

42) B

43) B

44) D

45) C

46) E