Chapter 7

Initial Actions in the Investigative Process

Section A: True/False

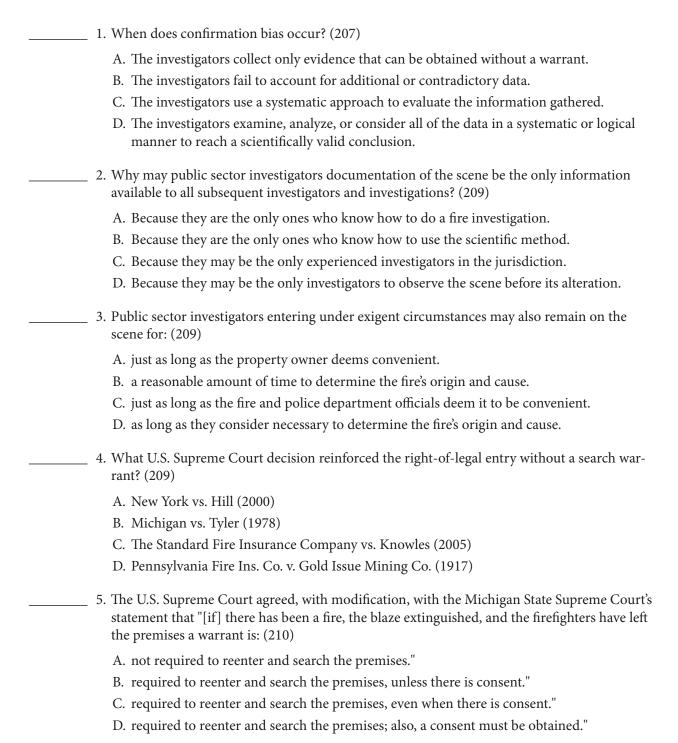
Directions: provided.	Write True or False on the blanks provided; if False, write the correct statement on the lines
1	The scientific method has been recognized by courts across the United States and Canada as a valid methodology for fire investigation. (205)
2	The purpose of an investigation is to find out what happened and to document it clearly for future reference. (207)
3	Most commonly, private sector investigators enter a scene under exigent (urgent) circumstances in which an immediate need is being met and, therefore, a warrant is unnecessary. (208)
4	Private investigators often have contractual positions to enter a scene and may not need a warrant. (208)
5	A fire is not an exigent circumstance, so firefighters and investigators must have a warrant to enter the scene. (209)
6	Once investigators leave the scene or the fire scene has been released, investigators may be prevented from reentering the property without first gaining the consent of the owner or obtaining a warrant. (209)
7	Evidence may be inadmissible in court if an investigator enters a structure without consent, exigent circumstances, or a warrant. (210)

8	Private fire investigators should ensure that permission to be on the premises has been obtained through court order or by verbal or written consent prior to conducting an investigation or collecting evidence. (211)
9	Investigators should schedule interviews with firefighters and other first responders at any time investigators consider suitable. (215)
10	A primary objective for limiting access to the fire scene is security. (220)
11	The size of the perimeter may change during an incident based on the situation and progression of the investigation. (219)
Section B	: Fill in the Blank
Directions: W	rite the correct answer on the blanks provided.
	entific method is required by NFPA and recommended by NFPA (205)
2. To aid ir	maintaining objectivity, a discussion of the perils of can be helpful. (207)
	avestigation to be complete, it is essential for investigators to conduct a proper examination of the and of a structure. (208)
	or consent must be obtained once an ator has probable cause that a crime has been committed and additional entries into the scene are y. (212)
	cases, if investigators arrive after the scene has been released, they must obtain to reenter. (212)
	the perimeter for explosions at times the distance from the farthest piece of bund. (219)

7. Secure the scene to protect evidence from being	,, oi
before it can be documented, preserved, or collected	ed. (221)
8 refers to evidence that is destroyed, damaged, alter someone who has the responsibility to preserve it. (223)	red, or otherwise not preserved by
Section C: Matching	
Directions: Write the correct answers on the blanks provided.	
Part I: Nonverbal Communication	
Match the nonverbal clues with its definition.	
Choices:	
A. Kinesics	
B. Self-presentation	
C. Paralanguage	
Questions:	
1. Clothing, touch, use of time, and control of the speak	er's environment. (214)
2. Use of body motion and position. (214)	
3. Vowel sounds or tones used to create the verbal message.	age. (214)
Part II: Other Indicators from Firefighters	
Match the indicator with its description.	
Choices:	
A. Building indicators	
B. Smoke indicators	
C. Heat indicators	
D. Flame indicators	
Description:	
1. Rapidly increasing volume, turbulence, darkening col of the hot gas layer and/or neutral plane (218)	or, optical density, and lowering
2. Isolated flames or rollover in the hot gas layers or nea	r the ceiling (218)
3. Interior configuration, fuel load, thermal properties, a	and ventilation (218)
4. Post extinguishment indicators of rapidly increasing t such as pyrolysis of contents or fuel packages located or hot surfaces (218)	

Section D: Multiple Choice

Directions: Write the correct answers on the blanks provided.



6.	The person granting consent: (211)
	A. cannot withdraw that consent until the search has finished.
	B. can withdraw that consent at any time but the search can continue.
	C. can withdraw that consent at any time and the search cannot continue.
	D. cannot withdraw that consent until the court authorizes that person to do so.
7.	Why does an investigator have to temporarily halt an investigation when evidence of crime is found? (212)
	A. The investigator has to obtain consent
	B. The investigator has to obtain a contractual entry
	C. The investigator has to obtain a criminal search warrant
	D. The investigator has to obtain an administrative search warrant
8.	When it is determined that a fire was intentionally set and a search for further evidence is needed, consent or a criminal search warrant should be obtained for: (213)
	A. each reentry unless an exigent circumstance exists.
	B. each reentry when an exigent circumstance exists.
	C. an extended period and with a restricted number of entries to the fire scene.
	D. an extended period no matter how many times it is required to enter the scene.
9.	What information must be obtained when conducting a witness interview? (215)
	A. Any issue with the internet service in or around the building
	B. Personal activities of the witness after the fire was extinguished
	C. Names and number of people that were out of the structure at the time of the event
	D. Homeowner's insurance carrier and insurance agent policy number (if homeowner/occupant)
10.	The security of the scene is initially the responsibility of the: (219)
	A. property owner.
	B. driver/operator.
	C. fire investigator.
	D. fire-suppression personnel.
11.	A primary objective for limiting access to the fire scene is: (220)
	A. health.
	B. safety.
	C. security.
	D. fire suppression.

- _____12. How should investigators interview witnesses to ensure individual observations are not influenced by other witnesses' perspectives? (215)
 - A. Separate
 - B. Using a panel interview
 - C. By category groups such as neighbors, occupants, and suspects
 - D. Using a role playing technique for effective witness interview

Section E: Short Answer

Direc	tions: Write the correct answers on the lines provided.
1.	List the general steps of the scientific method. (205)
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	What are six pieces of information that will assist the investigator with determining the fire's area of origin? (206-207)
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3.	What are the considerations as to how quickly an investigation can begin? (208)
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4.	List six means or methods fire investigators may use to obtain the right to enter a scene. (209)
5.	What should occur when investigators have reasonable cause to believe that evidence will be destroyed? (211)
ó.	List potential consequences when a private fire investigator's actions exceed legal authority. (211)
7.	What types of information does an investigator use to begin to establish a timeline? (213-214)

8.	What are the circumstances before the discovery of a fire that interviewers should asked about? (215)				
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9.	What information should an investigator ask first responders about during interviews? (217)				
10.	How can an Incident Commander help to preserve evidence? (222)				
11.	What is evidence contamination? (222)				

Section F: Scenario

Directions: Answer the following question based on the scenarios below.

Scenario 1 (219-220)

A large-scale fire occurs on the fourth floor of a business building that has 80 stories in total. The emergency units of the two fire stations closest to the building are already operating at the emergency site. Also, six local police units and a total of 12 police officers are supporting the operations. You are the fire investigator and arrive at the emergency just at the moment when rescue operations are being initiated.

1.	What early security measures should be taken?			
2.	How can law enforcement personnel be used in this scenario?			
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0	: 2 (212)			
	rio 2 (218)			
that	re investigator is conducting an initial interview of available eyewitnesses. The witnesses reported they heard an explosion, the windows in the building suddenly broke out, and flames came out he windows. As part of the evidence, the investigator has collected broken window glass.			
1.	What may that indicate?			