

TCFP FIRE INVESTIGATOR 2023/ 2024 EXAM| QUESTIONS AND VERIFIED ANSWERS| ALREADY GRADED A

Q: What are the fundamental issues of a death investigation?

Answer:

Remains / Victim identification
Cause of death
Manner of death
Victim activity
Postmortem changes

Q: What are the main motives for firesetting?

Answer:

Vandalism
Excitement
Revenge
Crime concealment
Profit
Extremism

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Q: What is vandalism firesetting?

Answer:

Willfull and malicious mischief - often pressured by groups or peers

Q: What is excitement firesetting?

Answer:

Thrill seeking
Attention seeking

Recognition
Sexual gratification

Q: What is revenge firesetting?

Answer:

Personal retaliation
Societal retaliation
Institutional retaliation (school, church, etc)
Group retaliation

Q: What is crime concealment firesetting?

Answer:

Murder concealment
Burglary concealment
Destruction of documents

Q: What is extremism firesetting?

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Answer:

Terrorism
Riots or civil disturbance

Q: What are some things to examine in multiple confirmed incendiary fires?

Answer:

Geographic area
Temporal frequency (time)
Materials & Method of firesetting

Q: What are some indicators of incendiary fires?

Answer:

Evidence of other crimes (crime concealment)
Indicators of financial stress
History of code violations
Owner with multiple fires
Over insurance
Timed opportunity (civil unrest, natural disaster)

Q: Other indicators that a fire is incendiary:

Answer:

Remote locations
Fire near service equipment / appliances
Removal or replacement of contents prior to fire
Entry blocked
Sabotage of fire protection systems
Multiple Fires
Trailers
Lack of fuel load / ignition sources
Exotic accelerants
Unusual fuel load
burn injuries
Incendiary devices

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Q: What is the difference between low order and high order explosions?

Answer:

Low order = less than the speed of sound, pushing / bulging damage, slow pressure rise

High order = faster than the speed of sound, breaking / shattering, long range missiles, rapid pressure rise

Q: What is a seated explosion?

Answer:

Seated explosions have a blast crater in the center of the explosion. Generally caused by high explosives like TNT, PETN, RDX, ANFO.