

2024 CSI Arizona Qualification Scenario

Due by February 26, 2024

Email completed Qualification Scenarios to Leah.Prager@azflse.org

Please type your answer to each question on a separate document. Note that some questions have multiple parts.

You respond to a homicide at 1768 East Maxwell Avenue #45, a two-story townhouse, on January 25th, 2024 at 9:30 p.m. As you pull up to the location, the first supervisor on scene gives you the following information:

They received a call at 6:18 p.m. from the victim's husband, Steve Walters, who has been out of town for the last week on business. He said when he arrived home, he noticed the front door was closed but not dead bolted. When he walked in, he noticed the house ransacked and blood on the floor. He yelled for his wife, Angela, and began to run upstairs when he saw her on the floor face down not moving. He attempted to revive her, but she had obvious signs of trauma and was already dead. He then called 911. When the officers arrived, they looked inside and cleared the house for any suspects. They pulled back and called you, and your team, to investigate the homicide. Your initial observation of the victim is that she appears to have been killed by blunt force trauma to the head. The victim's hands and feet were bound with duct tape. You suspect that this may have been a robbery that got out of hand.

1. How would you document and preserve this scene? (See floor plan and sky view diagrams)
2. Below is a list of evidence found at the crime scene, please answer the following questions for each piece of evidence:

- A. Gold metallic fiber caught in the duct tape.
 1. How would you collect, preserve, and document this evidence?
 2. What steps would be taken to process the evidence?
 3. What information would you process each piece of evidence for?
- B. Shoe prints on the kitchen tile floor.
 1. How would you collect, preserve, and document this evidence?
 2. What steps would be taken to process the evidence?
 3. What information would you process each piece of evidence for?
- C. 6 good fingerprints (combined) from the refrigerator (3), back doorknob (2), and toilet handle (1)
 1. How would you collect, preserve, and document this evidence?
 2. What steps would be taken to process the evidence?
 3. What information would you process each piece of evidence for?
- D. Reddish oily substance on victim's face
 1. How would you collect, preserve, and document this evidence?
 2. What steps would be taken to process the evidence?
 3. What information would you process each piece of evidence for?
- E. Ski mask found on primary bedroom floor
 1. How would you collect, preserve, and document this evidence?
 2. What steps would be taken to process the evidence?
 3. What information would you process each piece of evidence for?
- F. Urine drops on toilet seat
 1. How would you collect, preserve, and document this evidence?
 2. What steps would be taken to process the evidence?
 3. What information would you process each piece of evidence for?

G. Blood smears on stair carpet

1. How would you collect, preserve, and document this evidence?
2. What steps would be taken to process the evidence?
3. What information would you process each piece of evidence for?

H. Tire impressions in alley behind house

1. How would you collect, preserve, and document this evidence?
2. What steps would be taken to process the evidence?
3. What information would you process each piece of evidence for?

I. Blood droplets on victim's cell phone found in driveway

1. How would you collect, preserve, and document this evidence?
2. What steps would be taken to process the evidence?
3. What information would you process each piece of evidence for?

J. Unknown smears on inside backdoor window

1. How would you collect, preserve, and document this evidence?
2. What steps would be taken to process the evidence?
3. What information would you process each piece of evidence for?

K. A doorbell video camera is visible on the door jamb

1. How would you collect, preserve, and document this evidence?
2. What steps would be taken to process the evidence?
3. What information would you process the evidence for?

3. What follow up investigation would you do if the following results came back from your evidence processing and as well as from your investigation?

- A. Shoe prints come back to a Rough House brand work boot size 10. The wear pattern suggests that the owner walks on the outside of his or her feet.
- B. Tire tread pattern comes back to a Michelin Cross Terrain tire size 235/70R16 104S FRD, most commonly used on SUVs.
- C. Reddish substance on victim's face is standard transmission oil.
- D. Gold fiber is a fine nylon blend commonly used in stitching or embroidering.
- E. Victim's cell phone records show last 3 calls at 1:20 am, 1:21 am, and 1:23 am to 602- 888-5555 on January 25, 2024. The number is registered to a Michelle Markham.
- F. Blood droplets on cell phone do not match victim or husband.
- G. There is skin tissue under three of the victim's fingernails on her right hand. There is a CODIS match to an unknown suspect in 3 other burglaries and a sexual assault.

During your investigation you discover the following:

- H. The husband's rare coin collection is missing.
- I. The victim's wallet and credit cards are missing.
- J. The husband returned to Phoenix two days early from his business trip to see his girlfriend, April Meadows.
- K. Video footage show several food deliveries over the course of the past week. On January 24, 2024, a white or Hispanic female in a hoodie is delivering a pizza at 10:47 p.m. The door opens and the **victim lets the** female inside. The door closes but the female never leaves. There is nothing else visible until officers arrive on January 25th.

4. Your investigation and the evidence lead you to infer that the victim's husband, his girlfriend (April Meadows), and the owner of phone number 602-888-5555 (Michelle Markham) are suspects. What questions would you ask of each person during your interview to support your case?
5. During your interviews you discover that Michelle has a brother, Fabian, who occasionally lives with her and drives a Chevy Blazer. What follow up investigation would you do? And what questions would you ask him if you were to interview him?
6. What additional steps, if any, would you take to ensure that your case was investigatively and legally complete?
7. What is your hypothesis as to what happened to the victim?