Forensics on Trial

Fingerprinting

1. March 11, 2004 in investing Spain’s 911, Madrid Bombing Case, Spanish police finds a van with plastic bag with bomb making materials. They use chemical called \_\_\_\_\_\_\_\_\_\_\_ to develop the latent print on the plastic bag.
2. What is the limitation cyanoacrylate method? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What are fingerprints? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What is one of the problems in developing a fingerprint from anon-porous surface like plastic bags? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Ridge details or \_\_\_\_\_\_\_ are used to compare fingerprints. How many ridge details did they find in the Madrid Bombing Case? \_\_\_\_\_\_\_\_\_\_\_\_\_
6. At least how many unique ridge detail matches are needed to call a fingerprint a match? \_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. FBI was able to match \_\_\_\_\_\_\_\_\_\_\_\_\_ minutiae patterns in an American lawyer named Brandon Mayfield.
8. How was the Brandon Mayfield exonerated? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. Are fingerprints unique to each individual? \_\_\_\_\_\_\_\_\_\_
10. How did this mistake happen? What are the flaws of fingerprinting technique? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. Name and describe the new technique being developed to make fingerprint technique more accurate. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Bite Mark

1. In Auburn, New York, May 24, 1991 2:10am Farm House is burnt down and the owner of the house is found dead, naked nearby. One of the unusual evidence found on the body is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. To investigate a bite mark, Forensic Dentist , or \_\_\_\_\_\_\_\_\_\_\_\_\_ makes a wax impression of the suspects teeth then they match the pattern by comparing the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. Suspect, Roy Brown denies his involvement in the case. Did Brown’s teeth match? \_\_\_\_\_\_\_
4. What was Brown’s sentence? \_\_\_\_\_\_\_\_\_\_\_\_ What was the evidence that convicted him? \_\_\_\_\_\_\_\_\_\_\_
5. What is the new science used to conduct an autopsy without cutting open a body? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. What is virtual autopsy table? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. Define Autopsia (Greek Root Word): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Blood Pattern Analysis

1. Dr. Robert Shaler founded the forensics program at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_and is currently working to improve \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Blood patterns allows for investigators to reconstruct the crime (reverse engineer), however, even the best trained analyst can misread the pattern due to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ according to NAS.

Possible Exit Pass Questions

 OJ Simpson Case

1. How was this investigation comprised?
2. What evidence is most scientific sound?
3. Why was Nicole Simpson’s blood on OJ’s sock not used?
4. What are other evidences were questionable in OJ Simpson Case?
5. Describe how “I see crime” system is used.