

Forensics Midterm

This first part of this exam is multiple choice. Choose the best answer if you are not sure of the answer skip it and come back to it at the end.

1. Describe a piece of evidence, which would be the responsibility of the Biology Unit.
 - a. Blood
 - b. Paper
 - c. Wood and plants
2. Exemplar is
 - a. A handwriting sample
 - b. Handwriting Comparison
 - c. Obliterations
3. Any disintegrated surface material, both natural and artificial, that lies on or near the earth's surface are:
 - a. Glass
 - b. Soil
 - c. Wood
4. The pattern area of a fingerprint surrounded by two diverging ridges are:
 - a. Type Lines
 - b. Arches
 - c. Loops
5. _____ costs the United States between 10-14 million per year.
 - a. Fingerprint Analysis
 - b. Check fraud and counterfeiting
 - c. Firearm testing
6. _____ are made by using a chemical or mechanical abrasive.
 - a. Charring
 - b. Erasures
 - c. Obliterations
7. Glass which has been tempered so as not to crack or slither in the fashion of normal glass
 - a. Tempered glass
 - b. Tinted glass
 - c. Fractured glass

8. What agency oversees counterfeiting?
 - a. CSI
 - b. FBI
 - c. Secret Service
9. Fingerprints which are invisible to the eye are:
 - a. Whorls
 - b. Loops
 - c. Latent prints
10. Stripes, grooves, or ridges on the sides of a bullet are:
 - a. Tented arch
 - b. Left twists
 - c. Grooves
11. Glass fracture lines which form on the same side as the penetrating force are:
 - a. Stress Marks
 - b. Radial Fractures
 - c. Concentric Cracks
12. What security measures are taken to prevent counterfeiting?
 - a. Microscopic Signature Line, High Resolution Border
 - b. Security Checklist and Watermark
 - c. Safety Strip and Secret Strip
13. The part of a hair contained within the protective layer of the cuticle and made up of spindle-shaped cortical cells aligned in a regular array, parallel to the length of the hair is the:
 - a. Cuticle
 - b. Cortex
 - c. Follicle
14. The ridge point nearest a type-line divergence is called:
 - a. Delta
 - b. Core
 - c. Type line

15. the impression of grooves placed on the inner surface of a barrel
- Caliper
 - Slug
 - Rifling
16. The collection of cells having the appearance of a central canal running through a hair is called:
- Medulla
 - Cuticle
 - Tip
17. Any document that has been darkened or made brittle due to fire or excessive heat.
- Rifling's
 - Charred
 - Striations
18. The diameter of the gun barrel, measured between opposite lands
- Caliper
 - Gauge
 - Bore
19. the color and structure of hair is called:
- Morphology
 - Medulla
 - Medullary Index
20. If several grains of dirt were to be found on the floor of a crime scene, what type of information would you hope to get?
- Origin and Composition
 - Comparison and Microscopic
 - Visual and Comparison

Directions: Read each statement below carefully. Place a T on the line if you think a statement is TRUE. Place an F on the line if you think the statement is FALSE.

21. ___ By examining a bullet hole in a pane of glass it is impossible to identify the direction of the bullet.
22. ___ All types of guns have rifling.
23. ___ A green leafy plant that was to be found trampled at a crime scene would be sent to Physical and Biological Units
24. ___ the part of the hair composed of three layers--the cuticle, cortex, and medulla is called the cuticle
25. ___ An appendage of the skin that grows out of an organ is called a hair follicle.
26. ___ Portions of striations are found on hands of a person who has fired a weapon
27. ___ Radial fracture lines form on the surface opposite that of the penetrating force
28. ___ Spiral marks placed on the inside of a barrel to insure bullets will exit the barrel with a rotating motion are called lands.
29. ___ Artificial material is irrelevant when performing soil comparisons.
30. ___ Fingerprint patterns which do not have type lines, deltas, or cores are Arches