

**GEOGRAPHIC INFORMATION SYSTEMS
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***** EXAMINATION *****

FIRE INVESTIGATION HANDBOOK

1. **Any substance that can bond, mix or disturb another**
 - a) substance is a coolant
 - b) substance is a refrigerant
 - c) substance is a deodorant
 - d) substance is a accelerant

2. **The work of providing, especially seats with padding, springs**
 - a) and fabric or leather covers is carpentry
 - b) and fabric or leather covers is interior designing
 - c) and fabric or leather covers is upholstery
 - d) and fabric or leather covers is joinery

3. **The collective term for a set of laboratory techniques for**
 - a) the separation of mixtures is crystallography
 - b) the separation of mixtures is chromatography
 - c) the separation of mixtures is spectrophotometry
 - d) the separation of mixtures is photography

4. **A three dimensional full-size or miniature model is a**
 - a) diorama
 - b) panorama
 - c) chronogram
 - d) photodrama

5. **The process and art of creating still or moving pictures by**
 - a) recording radiation on a sensitive medium is crystallography
 - b) recording radiation on a sensitive medium is chromatography
 - c) recording radiation on a sensitive medium is geography
 - d) recording radiation on a sensitive medium is photography

6. **The art of creating images with an assemblage of small pieces**
 - a) of any materials is masonry
 - b) of any materials is miniatures
 - c) of any materials is mosaic
 - d) of any materials is scrimshaw

7. **The building of structures from individual units laid in and**
- a) bound together by mortar is carpentry
 - b) bound together by mortar is masonry
 - c) bound together by mortar is upholstery
 - d) bound together by mortar is joinery
8. **The buildings principal utility systems are**
- a) heating, ventilation, and air conditioning systems
 - b) plumbing systems
 - c) electrical systems
 - d) All of the above
9. **Smoke movement may be caused by**
- a) thermal energy of fires
 - b) stack effect
 - c) special built in smoke removal equipment
 - d) All of the above
10. **The most common flaming ignition source is the**
- a) match
 - b) space heater
 - c) vents
 - d) stove
11. **A material often water reactive and will ignite when they**
- a) contact water or humid air is lipophilic
 - b) contact water or humid air is pyrophoric
 - c) contact water or humid air is allotropic
 - d) contact water or humid air is miscibilic
12. **The chemical element found in nearly all ores of zirconium**
- a) is helium
 - b) is uranium
 - c) is hafnium
 - d) is magnesium
13. **TNT is a chemical explosive also known as**
- a) trinitroxypropane
 - b) panclastites
 - c) tetranitromethane
 - d) trinitrotoluene
14. **The lowest temperature of a liquid at which it will ignite**
- a) is a flashpoint
 - b) is an ignition temperature
 - c) is a vapor density
 - d) is an explosive limit

15. **The limiting proportion of flammability in gases**
- a) is its flashpoint
 - b) is its temperature
 - c) is its vapor density
 - d) is its explosive limits
16. **The mass of a certain volume of a substance divided by mass**
- a) of same volume of hydrogen is flashpoint
 - b) of same volume of hydrogen is ignition temperature
 - c) of same volume of hydrogen is vapor density
 - d) of same volume of hydrogen is explosive limit
17. **A point in which a substance is raised to react**
- a) spontaneously with oxygen is flashpoint
 - b) spontaneously with oxygen is ignition temperature
 - c) spontaneously with oxygen is vapor density
 - d) spontaneously with oxygen is explosive limit
18. **Dust explosions tend to be a hazard in occupancies such as**
- a) flour mills
 - b) paint manufacturing operation
 - c) metal powder operations
 - d) All of the above
19. **An organic compound containing a terminal carbonyl group**
- a) is an aldehyde
 - b) is an alanine
 - c) is an albumin
 - d) is an alizarin
20. **A linear molecule with a triple bond between carbon and**
- a) nitrogen is iodine cyanide
 - b) nitrogen is trimethylsilyl cyanide
 - c) nitrogen is hydrogen cyanide
 - d) nitrogen is cyanogen cyanide

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