

**\*\*\* EXAMINATION \*\*\***

**EFFECT OF AN OBSTRUCTED CEILING ON THE  
ACTIVATION TIME OF A RESIDENTIAL SPRINKLER**

1. **The horizontal supporting members that run from wall to**
  - a) wall to support a ceiling, roof or floor is a truss
  - b) wall to support a ceiling, roof or floor is a girder
  - c) wall to support a ceiling, roof or floor is a rafter
  - d) wall to support a ceiling, roof or floor is a joist
  
2. **The device used to generate a flame to heat up products**
  - a) using acetylene or propane is propane torch
  - b) using acetylene or propane is arc welding
  - c) using acetylene or propane is gas burner
  - d) using acetylene or propane is thermal lance
  
3. **The mechanism of heat transfer occurring because of bulk**
  - a) motion of fluids is condensation heat transfer
  - b) motion of fluids is convective heat transfer
  - c) motion of fluids is boiling heat transfer
  - d) motion of fluids is heat transfer coefficient
  
4. **The process whereby something is prepared or excited for a**
  - a) subsequent reaction is activation
  - b) subsequent reaction is conduction
  - c) subsequent reaction is collection
  - d) subsequent reaction is transmission
  
5. **The viscous material that changes state to become solid**
  - a) once applied is sealant
  - b) once applied is suppressant
  - c) once applied is refrigerant
  - d) once applied is coolant
  
6. **The unobstructed vertical space between the water outlet and**
  - a) the flood level of a fixture is the pressure inlet
  - b) the flood level of a fixture is the air gap
  - c) the flood level of a fixture is the gas outlet
  - d) the flood level of a fixture is the heat outlet

7. **The junction between two different metals that produces a**
- a) voltage related to temperature difference is a thermostat
  - b) voltage related to temperature difference is a thermopile
  - c) voltage related to temperature difference is a thermocouple
  - d) voltage related to temperature difference is a thermistor
8. **The systematic arrangement of objects, usually in a row and**
- a) columns is a position
  - b) columns is a location
  - c) columns is a volume
  - d) columns is an array
9. **The state of something that nobody can predict or guarantee**
- a) is uncertainty
  - b) is accuracy
  - c) is efficiency
  - d) is deficiency
10. **The member of a support system may be viewed as something**
- a) point
  - b) pendent
  - c) present
  - d) penchant
11. **The switch that makes electrical contact when a certain set**
- a) pressure has been reached on its input is a float switch
  - b) pressure has been reached on its input is a micro switch
  - c) pressure has been reached on its input is a pressure switch
  - d) pressure has been reached on its input is a push switch
12. **A fire that would take less than 150 seconds from the time**
- a) of open burning is a slow developing fire
  - b) of open burning is a medium developing fire
  - c) of open burning is a normal developing fire
  - d) of open burning is a fast developing fire
13. **The fire that would take more than 150 s but less than 600 s**
- a) from the time of open burning is a slow developing fire
  - b) from the time of open burning is a medium developing fire
  - c) from the time of open burning is a normal developing fire
  - d) from the time of open burning is a fast developing fire
14. **The fire that would take 600 or more seconds from time of**
- a) open burning is a slow developing fire
  - b) open burning is a medium developing fire
  - c) open burning is a normal developing fire
  - d) open burning is a fast developing fire

15. **The preparation of a usable scale on a measuring instrument**
- a) is optimization
  - b) is deviation
  - c) is calibration
  - d) is ignition
16. **The entrapment of one substance by another substance is**
- a) absorption
  - b) entrainment
  - c) emission
  - d) infiltration
17. **The reduction of unwanted oscillation in a circuit or of**
- a) unwanted frequencies in a signal is oppression
  - b) unwanted frequencies in a signal is depression
  - c) unwanted frequencies in a signal is regression
  - d) unwanted frequencies in a signal is suppression
18. **The ability of an object or substance to transmit heat,**
- a) sound, or electricity is called conductivity
  - b) sound, or electricity is called affectivity
  - c) sound, or electricity is called disutility
  - d) sound, or electricity is called flexibility
19. **The fixed state used as a baseline for running tests in**
- a) software testing is called parameter fixture
  - b) software testing is called test fixture
  - c) software testing is called air fixture
  - d) software testing is called liquid fixture
20. **A device that sends out a moving spray of water is**
- a) faucet
  - b) gauge
  - c) sprinkler
  - d) valve

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