

## Fire Protection Assessment

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1) What is the definition of fire?

- a) Fire is an organic reaction to material which is flammable.
- b) Fire is a chemical reaction of organic matter with atmospheric oxygen at a high temperature.
- c) Fire is an atmospheric reaction to organic material at a high temperature which combusts when chemically combined with an organic matter.
- d) Fire is an atmospheric reaction to organic material with oxygen.

2) What three elements exist in the 'fire triangle'?

- a) Heat
- b) Air
- c) Oxygen
- d) Wind
- e) Material
- f) Fuel

3) Select 4 causes of a fire.

- a) Faulty electrical equipment.
- b) Dusty surfaces
- c) Hot surfaces (such as hot plates).
- d) Static Electricity
- e) Cigarette smoke
- f) Explosive dusts.

4) Name 3 types of Fire Protection Equipment.

- a) Sprinklers
- b) Faucet
- c) Fire Extinguishers
- d) Overhead water pipes
- e) Fire alarms
- f) Security Blankets

- 5) What is the Class B characteristic of fire?
- a) Fires in flammable liquids, oil, grease, tars, lacquers, and similar materials. The extinguishing media usually includes a dry chemical which smothers the fire by reducing the oxygen or interrupts the chemical reaction.
  - b) Fires in electrical wires or equipment. The extinguishing media is a non-conductive material. Sometimes with Class C fires, Class A and B materials may also be burning because of insulating or conductive materials associated with electrical equipment.
  - c) Fires in combustible materials such as paper, wood, cloth, and many plastics.
  - d) Fires that occur in combustible metals, such as magnesium, lithium, and sodium. Special extinguishing agents are needed for these types of fires.
- 6) The Class C characteristic of fires includes fires that occur in combustible metals, such as magnesium, lithium, and sodium. Special extinguishing agents are needed for these types of fires

True or False

- 7) What is the acronym use to remember the four classes of fires?
- a) PASS
  - b) STOP DROP AND ROLL
  - c) POEM
  - d) FIRE
  - e) WATER
  - f) WIND
- 8) Halon should be used on \_\_\_\_\_ fires.
- a) combustible Class D
  - b) electrical Class C
  - c) combustible Class B
  - d) flammable liquids Class B
  - e) flammable liquids Class C
  - f) electrical Class D

9) Extinguishers having a gross weight not exceeding 40 pounds will be so installed that the top of the extinguisher is not more than \_\_\_\_\_ feet above the floor.

- a) 4
- b) 5
- c) 2-1/2
- d) 3-1/2
- e) 2
- f) 5-1/2

10) OSHA requires that the travel distance for Class A and Class D extinguishers not exceed 40 feet.

True or False

## Key Fire Protection – Assessment

- 1) What is the definition of fire?
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True or **False**