

## Chapter 11: Fire and Electrical Safety

### Learning objectives:

- 1) To identify and understand hazards related to fire and electrical safety

### Evaluation questions:

1. Which one is not correct for fire?
  - A. Necessary ingredients of fire are heat source, fuel, and oxygen
  - B. Fine particles of substances absorbs heat slowly
  - C. Vapors from gasoline and petroleum products can be ignition sources
  - D. Flashover is a rapid initiation of combustion of objects near a fire
  - E. If the density of vapor higher than 1, they can be found near the ground
2. What is the correct order for extinguishing a fire?
  - A. Aim at the base of the fire, squeeze the trigger, pull the pin, spray at the base
  - B. Aim at the base of the fire, pull the pin, squeeze the trigger, spray at the base
  - C. Pull the pin, aim at the base of the fire, squeeze the trigger, spray at the base
  - D. Pull the pin, squeeze the trigger, aim at the base of the fire, spray at the base
  - E. Squeeze the trigger, aim at the base of the fire, pull the pin, spray at the base
3. Which extinguisher is considered the all-purpose extinguisher?
  - A. Class A
  - B. Class K
  - C. Class D
  - D. Class AB
  - E. Class ABC
4. Give three examples of fires in agriculture?
  - A. ....
  - B. ....
  - C. ....
5. Flashpoint is the lowest temperature at which a flammable liquid gives off vapors and can ignite. Rank the liquids from less flammable-safe being 1 to flammable-hazardous being 4.  
Alcohol (55 °F)  
Motor oil (420 °F)  
Gasoline (-45 °F)  
Diesel fuel (100 °F)

### Answers:

1. B
2. C

3. E
4. Open ended
5. (1-motor oil, 2-diesel fuel, 3-alcohol, 4-gasoline)