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 absorb 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)