Q.1. Draw the fire triangle and explain its components and their significance. Classify fires and describe each class. (5+5=10)

OR

List the different types of fire extinguishers and with proper illustration describe the HALON type of fire extinguisher. (6+4=10)

Q.2. Elaborate the routine use, care and cleaning process of (any two):
(a) Refrigerator
(b) Mincer
(c) Gas burner

(2x5=10)

Q.3. Classify different types of fuels and compare the advantages and dis-advantages between solid and liquid fuel. (5+5=10)

OR

Write short notes on (any two):
(a) Breakdown maintenance
(b) Preventive maintenance
(c) Shutdown maintenance
(d) Importance of maintenance

(2x5=10)

Q.4. (a) Define short circuit.
(b) Discuss precautions to be taken to avoid a short circuit. (2+3=5)
Q.5. (a) Define heat and temperature.
(b) What are the different scales by which temperature is measured?

Q.6. State True or False:
(a) Calorie is a measure of electricity.
(b) Cleaning of a gas range is a running maintenance.
(c) LPG is a type of gaseous fuel.
(d) Copper is a bad conductor of electricity.
(e) Convection is process of heat transfer.
(f) Incubators are generally used in kitchen.
(g) Acetylene is a flammable gas.
(h) Sprinkling of cold water helps to cut off electrical fire.
(i) A thermostat helps to measure temperature.
(j) Porcelain is an insulator of electricity.

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