

TECHNICAL DRAWING

SECTION 1: FUNDAMENTALS OF TECHNICAL DRAWING 1A: OCCUPATIONAL HEALTH, SAFETY AND THE ENVIRONMENT

Objectives:

4. Fires and fire-fighting equipment

ASSESSMENT ANSWER SHEET

ANSWERS:

1:

- a) Fire is the product from a chemical reaction between oxygen in the atmosphere and some sort of fuel. The combustion or burning typically give out bright light, heat, and smoke."
- b) An accelerant accelerates or speeds the development and escalation of a fire.

2:

- a) A Class A fire is one fueled by solid organic materials such as wood; paper and cloth. A Class B fire is fueled by flammable liquids such as petrol; rubbing alcohol and diesel.

b)

Class C

Class B

Class A

- c) The fire most likely to occur in a drawing office is a Class A fire.

3. Some flammable liquids usually found in and around the home are: rubbing alcohol; alcohol; nail polish; nail polish remover; hand sanitizer; gasoline; turpentine & paint thinners; bay rum; linseed oil; aerosol cans (Insect spray; Hair spray; air fresheners; etc)

4. Read the following scenarios and indicate to which the classification of fire each belongs:

- a) A frying pan with cooking oil to fry French fries was placed on a lit burner and forgotten on the stove. Approximately half an hour later a fire ensued. Which classification of fire: Class B

b) A young lady was applying nail polish to her toes by candle light which was placed close to her feet. Her brother bounced her elbow which caused both the candle and the nail polish remover to fall. A fire ensued. Which classification of fire: Class B