PRE-TECHNICAL STUDIES (Theory)

PAPER 1

SECTION A (30 marks)

Answer All the questions in this section on the answer sheet provided.

1. A supervisor notices that fire extinguishers are blocked by stacked boxes. What risk does this pose in terms of fire prevention?

A. Increases oxygen supply
B. Delays emergency response
C. Reduces heat generation
D. Promotes equipment malfunction

2. A colleague is found unconscious after inhaling smoke during a fire. What is the most appropriate first aid action?

A. Lay them flat on their back and cover with a blanket
B. Move them to fresh air and lay them on their side
C. Give them water and keep them seated
D. Elevate their legs and apply pressure to the chest

3. An employee uses a weak password for their account, leading to unauthorized access. Which security measure would have prevented this?

A. Using multi-factor authentication
B. Encrypting the database
C. Installing antivirus software
D. Conducting regular backups

4. A technician is building a computer and needs to ensure all components are compatible. Which hardware component determines compatibility?

A. Motherboard
B. Random Access Memory
C. Central Processing Unit
D. Graphic Processing Unit

5. A company wants to minimize electronic waste by reusing input devices. Which factor should they prioritize when selecting devices?

A. Aesthetic design
B. Wireless connectivity
C. Durability and lifespan
D. Brand reputation

6. A video editor needs an output device to preview their work in high definition. Which device should they choose?