

LAB SHEET

Using Fire Extinguisher

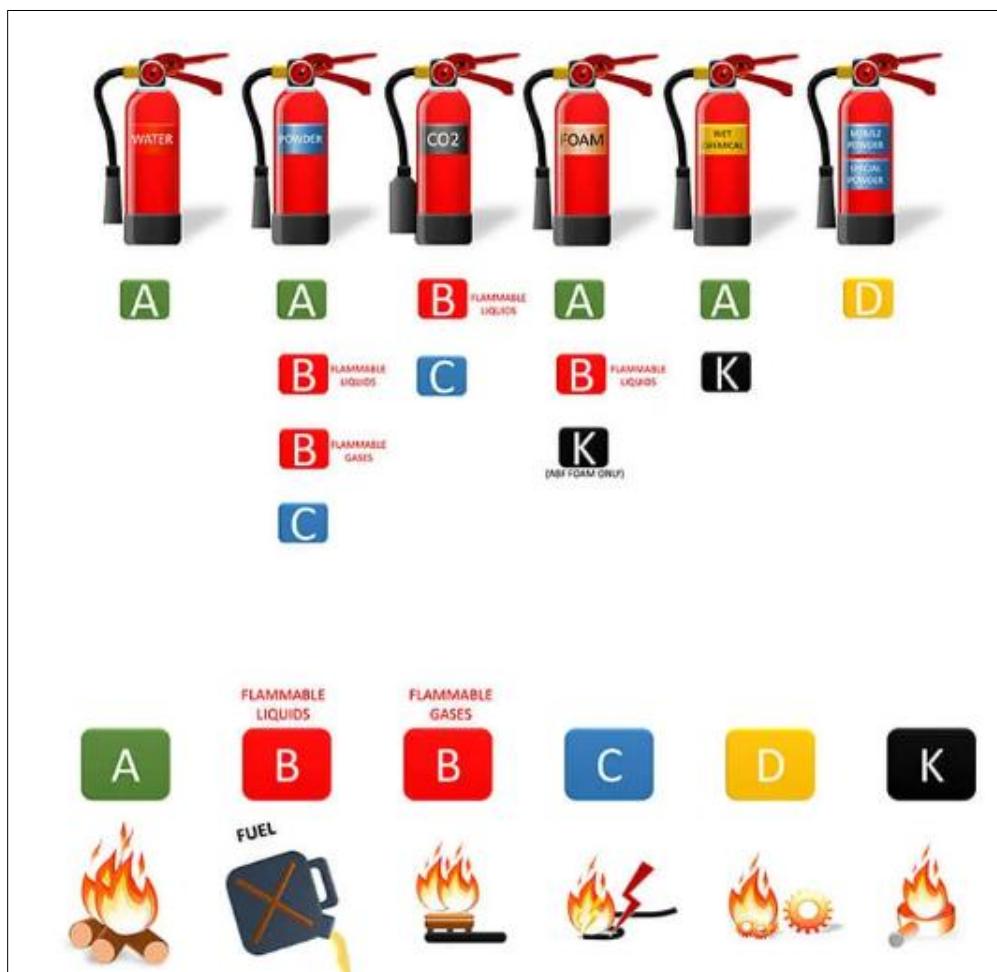
1. Objective

- ✓ Identify different types of fire extinguishers and their appropriate use.
- ✓ Demonstrate the correct procedure for operating a fire extinguisher using the PASS technique.
- ✓ Apply safety precautions while handling and discharging fire extinguishers.

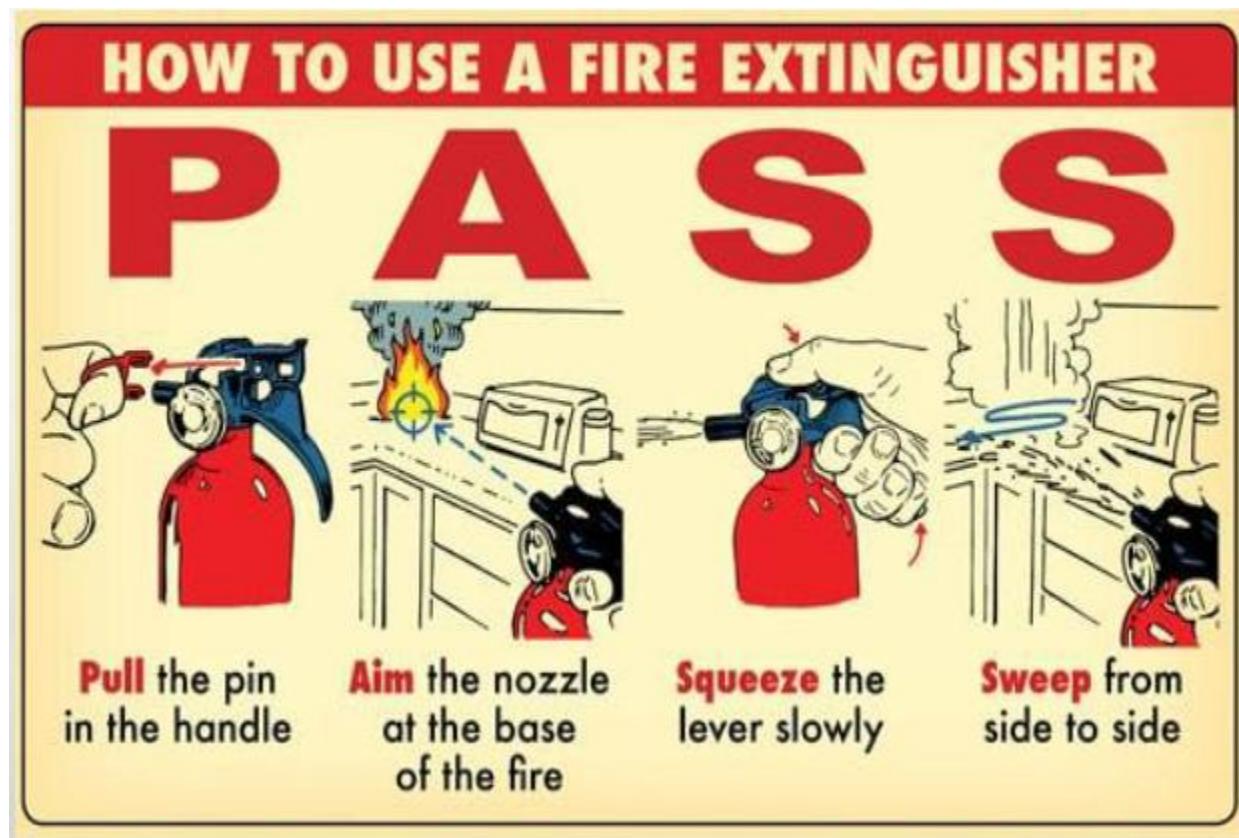
2. Introduction

A fire extinguisher is a portable device used to control small fires in emergency situations. Understanding its types, functions, and correct usage is crucial to prevent fire escalation. The effectiveness of an extinguisher depends on selecting the correct type and applying the correct technique.

The type of fire extinguisher and its used.



The PASS technique is the basic method used when operating a fire extinguisher:



3. Equipment and Materials

No.	Equipment / Material	Quantity	Remarks
1	Portable fire extinguishers (CO ₂ , Dry Powder, Foam, Water)	1 each	For demonstration
2	Fire training simulator / controlled fire tray	1 set	For practice
3	Fire blanket	1	Safety precaution
4	Safety gloves and goggles	As required	Personal protective equipment
5	Fire bucket with sand / water	1	Backup safety measure

4. Safety Precautions

- Ensure the training area is clear of unnecessary items and people.
- Always have a fire blanket or backup extinguisher ready.
- Do not aim the extinguisher at a person.
- Maintain an upwind position to avoid inhaling smoke or extinguishing agent.

- Never turn your back on a fire, even if it appears extinguished.

5. Procedures

1. Identify the class of fire and choose the correct extinguisher type.
2. Check extinguisher condition – pressure gauge, pin seal, and expiry date.
3. Stand 2–3 meters from the fire source.
4. Apply the PASS technique: Pull, Aim, Squeeze, Sweep.
5. Observe for re-ignition and stand by.
6. Report any used or damaged extinguisher for refilling.

6. Observation / Data Recording

Type of Fire	Type of Extinguisher Used	Fire Extinguished (Yes/No)	Remarks
Class A	Water		
Class B	Foam		
Class C	CO ₂		
Class D	Dry Powder		
Class K	Wet Chemical		

7. Discussion Questions

1. What is the importance of selecting the correct extinguisher for each fire class?
2. Why is it important to aim at the base of the fire instead of the flames?
3. What should be done after using a fire extinguisher?
4. Explain the limitations of a portable fire extinguisher.

8. Conclusion

Summarize your understanding of fire extinguisher types, the correct operating technique, and the safety precautions that must be observed during use.