

DIPLOMA IN FIRE ALARM & FIRE SAFETY



LAMBDA Consulting Group

training partner institute of

SKILL DEVELOPMENT COUNCIL

FIRE ALARM:-**THEORY****INTRODUCTION TO FIRE ALARM**

History of Fire Alarm System.
 Understand what Fire system.
 Basic Knowledge Fire system.
 A Fire Alarm system Structure and Diagram.

ABOUT THE WIRING OF FIRE SYSTEM EQUIPMENT'S

Type of Fire System Wire.
 Type of Fire resistance Wire.
 Type of Fire Sounder Wire.
 Type of Fire Bell Wire.

TYPE OF FIRE ALARM SYSTEM

Addressable Fire Alarm System.
 Non Addressable Fire Alarm System.

TYPE OF FIRE SMOKE DETECTOR'S

Normal Smoke detectors.
 Heat detector.
 Wire lees detector.
 Cold area detector.

TYPE OF FIRE ALARM SOUNDS

Bell Sound.
 Normal Fire Sounder.
 Indoor Sounder.
 Outdoor Sounder.



TYPE OF FIRE ALARM CALL POINT

Manual Call Point.
 Push Button Call Point.
 Break Glass Call Point.

TYPE OF FIRE LED

Revolving Light.
 Flasher Light.
 Fire Indicator Lights.

ABOUT THE TOOLS FOR FIRE ALARM SYSTEM

Basic Tools.
 Advance Tools.

PRACTICAL'S

- Deploy wiring of Fire Alarm System.
- Mounting of Fire Alarm Panel.
- Mounting of Fire Smoke Detector.
- Mounting of Fire Heat Detector.
- Mounting of Sounder.
- Mounting of Fire Led Lights.
- Mounting of Fire flasher.
- Mounting of Fire Call Point.
- Connection of Smoke Detector.
- Connection of Heat Detector.
- Connection of Sounder.
- Connection of Led Lights.
- Connection of Call Points.
- Connection of Flesher.
- Wiring structure .



FIRE SAFETY:-

THEORY

INTRODUCTION TO FIRE & SAFETY.

History of Fire.
Understand what is Fire.
Basic Knowledge of Fire.

What is Fire Triangular ?



CLASSIFICATION OF FIRE.

Solid
Liquid
Gas
Metal
Electric

SPECIAL CAUSE OF FIRE.

1. Chemical Fire
2. Biological Fire
3. Radiation/Radiant Energy



TYPE OF FIRE EXTINGUISHER.

1. Dry Chemical Powder (DCP)
2. Carbon di oxide (CO₂)
3. Aqueous Film-Forming Foam (AFFF)
4. Water (H₂O)
5. BCF/Halon

USAGE OF EXTINGUISHER.

1. Dry Chemical Powder (DCP)
2. Carbon Di Oxide (CO₂)
3. Aqueous Film-Forming Foam (AFFF)
4. Water (H₂O)
5. BCF/Halon

REASONS OF FIRE.

FIRE & SAFETY INSTRUCTIONS.

FIRE EQUIPMENT OTHER THEN FIRE EXTINGUISHER .

1. Fire Hydrant System
2. Fire Hose Reel.
3. Sprinkle System.
4. Fire Monitor.

FIRE SAFETY SIGNS.

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PRACTICAL'S

TM

- Fire Drill.
- Fire Evacuation.
- Fire Fighting.
- Fire First Aid.
- Mounting of Extinguisher.
- Display Fire & Safety Sign.
- Usage of fire House Reel.
- Usage of Fire Hydrant.
- Usage of Fire Extinguisher.
- Emergency Beam Light.

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