
Diploma in Fire Engineering – 1 Year

Semester – I

S. No.	Paper Numerical	Unique Class & Papers	Paper Name / Subject
1	18101	1DFE1	Fire Engineering Principles
2	18102	1DFE2	Fire Detection & Alarm Systems
3	18103	1DFE3	Hydraulics & Pump Operation
4	18104	1DFE4	Firefighter Skills & Drill

Course Details:

- **Fire Engineering Principles** – Fire science, heat flow, structural fire behavior.
- **Detection Systems** – Smoke detectors, HSSD, manual call points, control panels.
- **Hydraulics & Pumps** – Pump pressure, flow, friction loss, hydrant operation.
- **Skills & Drill** – Fireman tools, hose drill, ladder drill.

Semester – II

S. No.	Paper Numerical	Unique Class & Papers	Paper Name / Subject
1	18201	2DFE1	Fire Safety in Buildings
2	18202	2DFE2	Advanced Rescue Techniques
3	18203	2DFE3	Industrial Risk Management
4	18204	2DFE4	Practical Training & Project

Course Details:

- **Building Fire Safety** – Building codes, escape routes, compartmentation.
- **Advanced Rescue** – Rope rescue, confined space rescue, water rescue.
- **Risk Management** – Hazard analysis, risk control measures.
- **Project** – Fire safety audit, case study.

