

## **25PCIS02 REGULATORY FRAMEWORKS FOR INDUSTRIAL SAFETY (3-1-0)**

### **Module - I (10 Hours)**

- ISO 45001:2018\_Occupational Health & Safety Management Systems (OHSMS).
- ILO Conventions (C155, C176, C187, etc.) Promote occupational safety, health, and working conditions globally.
- UN Globally Harmonized System (GHS) for Classification & Labeling\_ Chemical hazard classification, labeling, and safety data sheets.

### **Module - II (15 Hours)**

- Occupational Safety, Health and Working Conditions Code, 2020 (OSHWC Code)
- Petroleum Rules, 2002\_ PESO (Explosives & Petroleum Safety Organisation)
- Explosives Act, 1884 & Explosives Rules, 2008
- Electricity Act, 2003 & Central Electricity Rules\_ Electrical safety, safe design, and operation of electrical installations.
- Indian Boiler Regulation (IBR) 1950 \_ Boiler safety, pressure vessel inspection, and operational standards.

### **Module - III (15 Hours)**

- Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996\_ Emergency planning and response for chemical accidents.
- Factories Act, 1948 \_ Governs safety, health, and welfare of workers in factories. Key sections include machinery safety, ventilation, hazardous substances, fire safety.
- National Building Code of India (NBC) \_ Safety provisions for industrial buildings and structures.
- BOCW Act 1996
- BOCW Rules 1998