

## **Syllabus for competent person Exam -2026 under Petroleum Rules.**

1. Petroleum Act 1934 and Petroleum Rules 2002.
2. Petroleum Product classification and properties.
3. Flammability Ranges of hydrocarbons & inflammable substances covers under Inflammable substance act 1952. Key Definitions for Safety Data i.e. lower Explosive Limit(LEL) , Upper Explosive Limit(UEL) , Flash point etc.
4. Basic concepts related to Petroleum storage tanks, types of tanks , dykes , fabrication, testing & maintenance and degassing . Knowledge of relevant codes and standards.
5. Basic concepts related to design and selection of various mechanical safety devices i.e. Pressure safety valves, Rupture disc, Vacuum relief valves, thermal relief valve etc.
6. Basic concepts related to plant design layout including safety distances of industries covering refinery, Petroleum depot, petroleum retail outlet , dispenser , vent pipe , fill point and other petroleum installations Ethanol, Methanol, acetone etc.
7. Petroleum product transport through Tank lorry, Pipeline, ISO Tank containers , loading /unloading, fire protection system .
8. Fire water storage area layout design, fire water calculation basic concepts. Various types of Fire Extinguisher, their application & working.
9. Hazardous Area Classification for Flammable Gases and Vapors, various Explosion Protection Concepts i.e. Intrinsic safety, Flameproof etc and selection of equipments.
10. Illumination , Lux level during night operations in petroleum installations.