

6th SEMESTER
PLANT MAINTENANCE & SAFETY

CO-1 → To acquire the knowledge of plant maintenance.

LO-1 → To study the Plant maintenance.

CONTENT → Introduction of Plant maintenance.

Need & objective of plant maintenance.

Function & responsibilities of maintenance department.

Advantage & economic aspect of maintenance.

Recent development in maintenance.

Method of Assessment → External Theory Exam

Teaching Hours → 10 H

Marks → 10 M

LO-2 → To understand the Types of maintenance.

CONTENT → Types of Maintenance.

- Preventive & predictive maintenance & their advantages & disadvantages.

- Some important phenomena related to maintenance.

Method of Assessment → External theory Exam

Teaching Hours → 07 H

Marks → 5 M

CO-2 → To impart the knowledge of organization structure of Maintenance department.

LO-3 → To study the Organization structure & its importance.

CONTENT → Importance of organization structure.

- Factors affecting maintenance department structure

- Planning & scheduling of maintenance activity.

- Functions & types of store ~~management~~ department.

Method of Assessment → External Theory Exam.

Teaching Hours → 08 H

Marks → 05 M

LO-10 → To understand about the fire Hazards.

CONTENT → Classification of fire,

- Portable fire extinguisher, their advantages & disadvantages.
- Types of Portable extinguisher.
- Fire Hydrants.
- Sprinkler system.

Method of Assessment → External Theory Exam

Teaching Hours → 10H

Marks → 10M

CO-5 → To acquire the knowledge of safety organizations.

LO-11 → To study about the Safety organizations.

CONTENT → Introduction of Safety organizations.

- Objective of safety organization.
- Safety committee & safety audit.
- Plant safety inspection.
- Need of safety organization.

Method of Assessment → External Theory Exam.

Teaching Hours → 10H

Marks → 10M

LO-12 → To understand the basics of safety.

CONTENT → General safety awareness.

Economics aspect of safety.

Safety training.

Line & staff function of safety.

Method of Assessment → Internal → Assignment, Quiz, Suspend Test

Teaching Hours → 10H

Marks → 10