

For Syllabus, Question Papers, Notes & many More

CN5011 PROJECT SAFETY MANAGEMENT

DETAILED SYLLABUS

UNIT I CONSTRUCTION ACCIDENTS

Accidents and their Causes – Human Factors in Construction Safety – Costs of Construction Injuries – Occupational and Safety Hazard Assessment – Legal Implications.

UNIT II SAFETY PROGRAMMES

Problem Areas in Construction Safety – Elements of an Effective Safety Programme – Job-Site Safety Assessment – Safety Meetings – Safety Incentives.

UNIT III CONTRACTUAL OBLIGATIONS

Safety in Construction Contracts – Substance Abuse – Safety Record Keeping.

UNIT IV DESIGNING FOR SAFETY

Safety Culture – Safe Workers – Safety and First Line Supervisors – Safety and Middle Managers – Top Management Practices, Company Activities and Safety – Safety Personnel – Sub contractual Obligation – Project Coordination and Safety Procedures – Workers Compensation.

UNIT V OWNERS' AND DESIGNERS' OUTLOOK

Owner's responsibility for safety – Owner preparedness – Role of designer in ensuring safety – Safety clause in design document.

REFERENCES

1. Jimmy W. Hinze, Construction Safety, Prentice Hall Inc., 1997.
2. Richard J. Coble, Jimmie Hinze and Theo C. Haupt, Construction Safety and Health Management, Prentice Hall Inc., 2001.
3. TamilNadu Factory Act, Department of Inspectorate of factories, Tamil Nadu. HealthManagement, Prentice Hall Inc., 2001.

For Syllabus, Question Papers, Notes & many More

OBJECTIVES

- To study and understand the various safety concepts and requirements applied to construction projects.
- To study the of construction accidents, safety programmes, contractual obligations, and design for safety.