

PNS SCHOOL OF ENGINEERING TECHNOLOGY

LESSION PLAN

BRANCH-CIVIL	SEMESTER-6TH	NAME- SUDEEPTA MISHRA
SUBJECT- CONSTRUCTION MANAGEMENT TH-2	NO OF DAYS PER WEEK -6 CLASS ALLOTTED-60	SEMESTER FROM 13.02.2023 TO 24.05.2023
WEEK	CLASS DAY	THEORY TOPICS
FEBRUARY-3RD	1ST(2CLASS)	Introduction To Construction Management Aims and objectives of construction management.
		Functions of construction management.
	3RD(2CLASS)	The construction team componentsowner,engineer,architect,contractor-their functions and interrelationship and jurisdiction.
		Resources for construction management-men,machines,materials,money
	5TH	Constructional Planning Importance of Construction Planning
		Developing work breakdown structure for construction work
4TH	1ST(2CLASS)	Construction Planning stages-Pre-tender stage, Post-tender stage
		Construction scheduling by Bar charts-preparation of Bar Charts for simple construction works
	3RD(2CLASS)	Preparation of schedules for labour materials,machinery, finance for small works.
		Limitation of Bar charts
	5TH	Construction scheduling by network techniques defination of terms ,PERT and CPM techniques,
5TH	1ST(2CLASS)	advantages and disadvantages of two techniques, network analysis,
		, estimation of time and critical path, application of PERT and CPM techniques in sample construction works.
MARCH -1ST	1ST(2CLASS)	Materials and Stores Management Classification of Stores-storage of stock.
		Issue of materials-indent , invoice, bin card
	3RD(2CLASS)	Construction Site Management Job Lay out-Objectives, Review plans, specifications, Lay out of equipments.
		Location of equipment, organizing labour at site.
2ND	1ST(2CLASS)	Job lay out for different construction sites
		Principle of storing material at site.
	5TH	DO
3RD	1ST(2CLASS)	Construction Organization: Introduction – Characteristics, Structure, importance
		Organization types-line and staff,functions and their characteristics
	3RD(2CLASS)	Principles of organization- meaning and significance of terms-

3RD		control, authority, responsibility, job & task
	5TH	Leadership-necessity, styles of leadership, role of leader
	6TH	Human relations-relations with subordinates,
4TH	1ST(2CLASS)	, peers, Supervisors, characteristics of group behavior
		, mob psychology, handling of grievances, absenteeism, labour welfare.
	3RD(2CLASS)	Conflicts in organization-genesis of conflicts
		, types-intrapersonal, interpersonal, intergroup, resolving conflicts.
	5TH	Construction Labour and Labour Management: Preparing Labour schedule
	6TH	Essential steps for optimum labour output
5TH	1ST(2CLASS)	Labour characteristics
		Labour incentives
	3RD	Motivation- Classification of motives, different approaches to motivation
	5TH	do
APRIL-2ND	1ST(2CLASS)	Construction Labour and Labour Management: Preparing Labour schedule
		Identification of different alternative equipment
	3RD(2CLASS)	Importance of Owning & operating costs in making decisions for hiring & purchase of equipment
	6TH	Inspection and testing of equipment
3RD	1ST(2CLASS)	Equipment maintenance
		Quality Control Concept of quality in construction
	3RD(2CLASS)	Quality Standards- during construction, after construction, destructive & non destructive methods.
4TH		do
	3RD(2CLASS)	Monitoring Progress Programme and progress of work
		Work study
	5TH	Analysis and control of physical and financial progress corrective measures.
5TH	1ST(2CLASS)	Safety Management In Construction Importance of safety
		causes and effects of accidents in construction works
	3RD(2CLASS)	Safety measures in worksites for excavation , scaffolding, formwork, fabrication and erection, demolition.
	5TH	Development of safety consciousness
	6TH	Safety legislation- Workman's compensation act, contract labour act.
		1ST(2CLASS)
		Introduction to Vulnerability Atlas of India, Concepts of natural hazards and

MAY-1ST	3RD(2CLASS)	disasters and vulnerability profile of India. Definition of disaster related terms.
		Earthquake hazard and vulnerability, Magnitude and intensity scales of earthquake
	6TH	seismic zones, earthquake hazard maps, types of structures and damage classification, effects in housing and resistant measures.
		DO
		DO
2ND	1ST(2CLASS)	seismic zones, earthquake hazard maps
		types of structures and damage classification, effects in housing and resistant measures.
	3RD(2CLASS)	Wind / Cyclone hazard and vulnerability, wind speed and pressures
		wind hazard and cyclone occurrence maps, storm surveys and cyclone resistant measures.
	5TH	Flood hazard and vulnerability,
	6TH	, Flood hazard and Flood prone areas of the country
3RD	1ST(2CLASS)	General protection of habitants and flood resistant construction.
		Landslides
	3RD(2CLASS)	Tsunamis and Thunderstorm hazards and vulnerability, Landslide & Thunderstorm incidence maps
	6TH	Housing vulnerability risk tables and usage of vulnerability atlas of India,
4TH	1ST(2CLASS)	Inclusion of vulnerability atlas in Tender documents.
		DO
	3RD(2CLASS)	EXAM RELATED QUESTIONS ANS DISSCUSSION

Sudeepta Mishra

SIGN OF LECTURE

Sudeepta Mishra

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