

Discipline:		Semester: 6 th	Name of the Teaching Faculty: Umesh Pradhan	
Subject: CM	No of Days/Week Class Allotted: 4	Semester From date: 13.1.23 To date: 23.5.23	No. of Weeks:	
WEEK	Class Day	Theory Topics		
	1st	Aims & objectives of construction management & functions of construction management.		
	2nd	The construction team components - owner, engineer, architect, contractor. their function.		
	3rd	Inter-relationship & jurisdiction with construction components.		
	4th	Resources for construction management - men, machines, materials & money.		
	5th	?		
	1st	Importance of construction planning.		
	2nd	Developing work breakdown str. for construction work.		
	3rd	construction scheduling by bar charts - preparation of bar charts for simple construction work.		
	4th	preparation of schedules for labour materials, machinery, finance for small work.		
	5th	xxxx		
	1st	limitation of bar charts & construction scheduling by network techniques.		
	2nd	definition of PERT & CPM techniques with advantages & disadvantages.		
	3rd	Network analysis, estimation of time & critical path.		
	4th	Application of PERT & CPM techniques in simple construction works.		
	5th			

WEEK	Class Day	Theory Topics
	1st	classification of stores - storage of stock.
	2nd	issue of materials - indent, invoice & bin card.
	3rd	Job lay out - objectives, Review plans, & specification, lay out of equipments.
	4th	location of equipment, organizing labour at site.
	5th	Job lay out for different construction site.
	1st	principle of storing material at site.
	2nd	Introduction - characteristics, structures & its importance of construction organization.
	3rd	organization types - lines & staff, function & their characteristics.
	4th	principle of organization - meaning & significance of terms - control, authority, responsibility, Job & task.
	5th	
	1st	leadership - necessity, styles of leadership, role of leader.
	2nd	Human relations with subordinates, peers, supervisors, characteristics of group behavior, mob psychology.
	3rd	Handling of grievances, absenteeism, labour welfare.
	4th	conflicts in organization - genesis of conflicts, types - intrapersonal, interpersonal, intergroup, resolving conflicts.
	5th	

Discipline: <u>190303</u>	Semester:	Name of the Teaching Faculty:	
Subject:	No of Days/Week Class Allotted: _____	Semester From date: _____ To date _____	No. of Weeks:

WEEK	Class Day	Theory Topics
	1st	Preparing the to labour schedule.
	2nd	Essential steps for optimum labour output.
	3rd	labour characteristics. wages and their payment.
	4th	labour incentives, motivation - classification & motives different approaches to motivation.
	5th	
	1st	preparing the equipment schedule.
	2nd	Identification of different alternative equipment.
	3rd	Importance of owning & operating costs in making decisions for hiring & purchase of equipment.
	4th	Inspection & testing of equipment. & maintenance of equipment.
	5th	
	1st	concept of <u>quality</u> in construction.
	2nd	Quality standards - during construction, after construction, destructive & non-destructive methods.
	3rd	programme & progress of work. in monitoring progress. with work study.
	4th	Analysis & control of physical & financial progress corrective measures.
	5th	

WEEK	Class Day	Theory Topics
	1st	Importance of safety of management in construction.
	2nd	causes & effects of accidents in construction works.
	3rd	safety measures in worksites for excavation, scaffolding.
	4th	Formwork, fabrication & erection, demolition.
	5th	
	1st	Development of safety consciousness.
	2nd	Safety legislation - workman's compensation act, contract labour act.
	3rd	Introduction to vulnerability Atlas of India.
	4th	concepts of natural hazards & disasters.
	5th	
	1st	disasters vulnerability profile of India.
	2nd	Definition of disaster related terms.
	3rd	Earthquake hazard & vulnerability.
	4th	Magnitude & intensity scales of earthquake.
	5th	

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Subject:	No of Days/Week Class Allotted: _____	Semester From date: _____ To _____ date _____	No. of Weeks:

WEEK	Class Day	Theory Topics
	1st	Seismic zones & earthquake hazard maps.
	2nd	Types of structures & damage classification, effects in housing & resistant measures.
	3rd	wind / cyclone hazard & vulnerability, wind speed & pressures.
	4th	wind hazard & cyclone occurrence maps.
	5th	
	1st	Storm surveys & cyclone resistant measures.
	2nd	Flood hazard & vulnerability.
	3rd	Flood hazard & flood prone areas of the country.
	4th	General protection of habitantg & flood resistant construction.
	5th	
	1st	landslide & thunderstorm incidence maps, measures against Tsunami hazards.
	2nd	Housing vulnerability risk tables.
	3rd	uses of vulnerability atlas of India.
	4th	Housing vulnerability risk tables & usage of vulnerability.
	5th	

Dicipline:	Semester:	Name of the Teaching Faculty:	
Subject:	No of Days/Week Class Allotted: _____	Semester From date: _____ To date _____	No. of Weeks:

WEEK	Class Day	Theory Topics
	1st	Inclusion of vulnerability a/as in Tender documents.
	2nd	
	3rd	
	4th	
	5th	
	1st	
	2nd	
	3rd	
	4th	
	5th	
	1st	
	2nd	
	3rd	
	4th	
	5th	

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