

GOVT. POLYTECHNIC MAYURBHANJ LESSON PLAN- 2022/23 (SUMMER)

Discipline : CIVIL ENGINEERING		Semester: 6thSem		Name of the Teaching Faculty :AMAN MOHANTY	
Subject : CM		No. of Days / per week class allotted : 02		Semester From Date : 02.03.2023 To Date : 23.05.2023	
MONTH	Week	Day	Unit	Topics	
MARCH	1ST		UNIT-6	6.Construction Labour and Labour Management	
		2nd		Preparing Labour schedule,Essential steps for optimum labour output	
		3rd		Labour characteristics,Wages & their payment, Labour incentives	
	2ND	1st		Motivation- Classification of motives, different approaches to motivation	
		2nd		DOLO PURNIMA	
	3rd		UNIT-7	7.Equipment Management	
		1st		Preparing the equipment schedule, Identification of different alternative equipment	
		2nd		Importance of Owning & operating costs in making decisions for hiring & purchase of equipment	
		3rd		Inspection and testing of equipment Equipment maintenance	
	4th		UNIT-8	8.Quality Control	
		1st		Concept of quality in construction	
		2nd		Quality Standards- during construction	
		1st		Destructive Methods	
	5th	2nd		Non-Destructive Methods	
APRIL	2nd		UNIT-9	9.Monitoring Progress	
		1st		Programme and progress of work	
		2nd		Work study	
	3rd	1st		Analysis and control of physical & Financial progress corrective measures	
		2nd		Question Discussion	
	4th			10.Safety Management In Construction	
		1st		Importance of safety	
		2nd		Causes and effects of accidents in construction works	
	5th	1st	UNIT-10	Safety measures in worksites for excavation, scaffolding, formwork, fabrication and erection, demolition	
		2nd		Development of safety consciousness	
1st	1st			Safety legislation- Workman’s compensation act	
	2nd			contract labour act.	
			11.Role of Vulnerability Atlas of India in construction projects		

MAY	2nd	1st	UNIT11	Introduction to Vulnerability Atlas of India, Concepts of natural hazards and disasters and vulnerability profile of India. Definition of disaster related terms
		2nd		Earthquake hazard and vulnerability, Magnitude and intensity scales of earthquake, seismic zones, earthquake hazard maps, types of structures and damage classification, effects in housing and resistant measures
	3rd	1st		Wind / Cyclone hazard and vulnerability, wind speed and pressures, wind hazard and cyclone occurrence maps, storm surveys and cyclone resistant measures
		2nd		Flood hazard and vulnerability, Flood hazard and Flood prone areas of the country, General protection
	4th	1st		Landslides, Tsunamis and Thunderstorm hazards and vulnerability, Landslide & Thunderstorm incidence maps, Measures against Tsunami hazards
		2nd		Housing vulnerability risk tables and usage of vulnerability atlas of India, Inclusion of vulnerability atlas in Tender documents
		3rd		Previous Year question Discussion,Quiz

REFERECE BOOKS:

1.Construction Management-M. R. Samal & R.L. Sahoo,Kalyani Publication

2.Construction planning and management-PS Gahlot & B M Dhir,New age international Publishers