

FORMAT OF LESSON PLAN

Name of faculty* Dheeraj Grover
 Discipline Civil engineering
 Semester 5th
 Subject CM

Week	Theory	
	Lecture Day	Topic
1st	1st	Introduction
	2nd	Significance of construction management Main objectives of construction management Functions of construction management, planning, organising, staffing directing, controlling and coordinating, meaning of each of these with respect to construction job. Classification of construction into light, heavy and Industrial construction
2nd	1st	Stages in construction from conception to completion The construction team: owner, engineer, architect and contractors, their functions and inter-relationship
	2nd	Importance of construction planning Pre-tender stage Contract stage Definition of activity, Identification of activities
3rd	1st	Preparation of bar charts for simple construction work
	2nd	Preparation of schedules for labour, materials
4th	1st	machinery and finances for small works Limitations of bar charts Introduction to network techniques; PERT and CPM
	2nd	difference between PERT and CPM terminology Types of organizations: Line, line and staff,
5th	1st	functional and their characteristics Site Organization Principle of storing and stacking materials at site
	2nd	Principle of storing and stacking materials at site Preparation of actual job layout for a building Organizing labour at site
6th	1st	Conditions of construction workers in India, wages paid to workers Important provisions of the following Acts: Labour Welfare Fund Act 1936 (as amended)
	2nd	Payment of Wages Act 1936 ,Minimum Wages Act 1948 Methods of recording progress Analysis of progress
7th	1st	Taking corrective actions keeping head office informed Cost time optimization for simple jobs Direct and indirect cost, variation with time, cost optimization
	2nd	Need for inspection and quality control Principles of inspection Stages of inspection and quality control for Earth work Masonry Sanitary and water supply services and rcc work
8th	1st	Accidents – causes and remedies Safety measures for Excavation work, Drilling and blasting
	2nd	Hot bituminous works, Scaffolding, ladders, form work ladders, form work
9th	1st	Demolitions, Safety campaign and safety devices Introduction, technical sanction, administrative approval, allotment of funds
	2nd	Re- reappropriation of funds bill, contractor ledger, measurement book running final account bills complete, preparation of bill of quantities (BOQ), completion certificate & report, hand receipt, acquittance roll.
10th	1st	Muster Roll labour, casual labour roll-duties and responsibility of different cadres, budget-stores, returns, account of stock, misc. P.W. advances T & P
	2nd	survey report, road metal material charged direct to works account - expenditure & revenue head remittance and deposit head
11th	1st	definition of cash, precaution in custody of cash book, imprest account, temporary advance, treasury challan
	2nd	preparation of final bill Revision of chapter 1
12th	1st	chapter 2 & 3
	2nd	chapter 4
13th	1st	chapter 5
	2nd	chapter 6
14th	1st	class test (chapter 1) class test (chapter 2)
	2nd	class test (chapter 3) class test (chapter 4) class test (chapter 5&6)
15th	1st	Revision of chapter 7 chapter 8
	2nd	chapter 9 class test (chapter 7) class test (chapter 8)