

* Name of the Faculty :	(theory) and (Practical)		
Discipline	Civil Engg.		
Semester	6th		
Subject	CONSTRUCTION MANAGEMENT AND ACCOUNTS		
Lecture per week	5		

Week	Theory		Practical	
	Lecture Day	Topic (including assignment / test)	Practical I	Topic
	Unit-1-Introduction:			
1st	1st	introduction to construction management		
	2nd	Significance of construction management, Main objectives of construction management and overview of the subject		
	3rd	Functions of construction management, planning, organising, staffing, directing, controlling and coordinating		
	4th	Classification of construction into light, heavy and industrial construction		
	5th	Stages in construction from conception to completion		
2nd	6th	The construction team: owner, engineer, architect and contractors, their function and inter relationship		
	Unit-2 - Construction Planning			
	7th	Importance of construction planning		
	8th	Stages of construction planning- Pre-tender stage, contract stage		
	9th	Scheduling construction works by bar charts- definition of activity, identification of activities		
	10th	Preparation of bar charts for simple construction work		

3rd	11th	Preparation of schedules for labour, materials, machinery and finances of small work, Limitation of bar chart		
	12th	Limitations of bar charts		
	13th	Scheduling by network techniques- Introduction to network techniques, PERT and CPM		
	14th	Differences between PERT and CPM		
	Unit-3-Organization			
	15th	Organization: Types of organizations		
4th	16th	Types of organizations		
	17th	Line, line and staff, functional		
	18th	characteristics of organization		
	19th	Assignements given based on samples question papers		
	Unit-4-Site Organization:			
	20th	Principle of storing and stacking materials at site,Location of equipment		
5th	21st	Preparation of actual job layout for a building,Organizing labour at site		
	22nd	Rivision		
	23rd	Sessional week		
	24th			
	25th			
6th	Unit-5-Construction Labour			
	26th	Conditions of construction workers in India, wages paid to workers		
	27th	Important provisions of the following Acts;-Labour welfare Fund Act 1936 (as amended)		
	28th	- Payment of Wages Act 1936 (as amended)		
	29th	Minimum Wages Act 1948 (as amended), acts related to labour safety		
	Unit-6- Control of Progress			
7th	30th	Methods of recording progress		
	31st	Analysis of progress		
	32nd	Taking corrective actions keeping head office informed		
	33rd	Cost time optimization for simple jobs - Direct cost		
	34th	indirect cost, variation with time, cost optimization		
	35th	with time, cost optimization		

8th	Quality Control			
	36th	Need for inspection and quality control,Principles of inspection		
	37th	Stages of inspection and quality control for- Earth work,masonary work		
	38th	Stages of inspection and quality control for-RCC,Sanitary and water supply services		
	Unit-8-Accidents and Safety in Construction:			
	39th	Accidents – causes and remedies		
	40th	Safety measures for-Excavation work,Drilling and Blasting		
9th	41st	Safety measures for-Hot bitumenous work		
	42nd	Safety measures for-Scaffolding, ladders, form work		
	43rd	Safety measures for-Demolitions		
	44th	Safety campaign and safety devices		
	45th	Assignements given based on samples question papers		
10th	46th	Revision of whole syllabus		
	47th	Revision of whole syllabus		
	48th	Sessional week		
	49th			
	50th			
11th	Unit-9-Public Work Account			
	51st	Introduction, technical sanction		
	52nd	Administrative approval, allotment of funds, re-appropriation of fund bill,contactir ledger		
	53rd	Measurement book running and final account bills complete,		
	54th	preparation of bill of quantities (BOQ),		
	55th	Completion certificate& report,		
12th	56th	Hand receipt, aquittance roll. , muster roll labour		
	57th	Casual labour roll-duties and responsibilityof different cadres		
	58th	Budget-stores, returns account of stock, misc,P.W advances T & P- verification		
	59th	Survey report, road metal material charged direct to work		
	60th	Account expenditure & revenue head, remittance and deposit head, defintion of cash		

13th	61st	precaution in custody of cash book, imprest account, temporary advance		
	62nd	Treasury challan, preparation of final bills , account register, stock register		
	63rd			
	64th	Assignments given based on samples question papers		
	65th	Revision of whole syllabus		
14th	66th	Revision of whole syllabus		
	67th	Revision of whole syllabus		
	68th	Sessional week		
	69th			
	70th			
15th	71st	Revision		
	72nd	Revision		
	73rd	Revision		
	74th	Revision		
	75th	Revision		