

NAME OF FACULTY :- MR. PARAMJEET MOR
 DISCIPLINE :- CIVIL ENGG.
 SEMESTER :- 6TH
 SUBJECT :- CMA
 LESSON PLAN DURATION :- FROM JAN, 2018 to APRIL, 2018
 WORK LOAD PER WEEK :- 5 Lecture/week

THEORY		
Week	Lecture Day	Topic
		Assignment/Test
1st	1	Significance of construction management
	2	Main objectives of construction management and overview of the subject
	3	Functions of construction management, planning, organising, staffing, directing
	4	controlling and coordinating, meaning of each of these with respect to construction job
	5	Classification of construction into light, heavy and industrial construction
2nd	6	Stages in construction from conception to completion
	7	The construction team: owner, engineer, architect and contractors, their functions and inter-relationships
	8	Importance of construction planning
	9	Importance of construction planning
3rd	10	Stages of construction planning - Pre-tender stage
	11	Stages of construction planning - Contract stage
	12	Definition of activity, identification of activities
	13	Definition of activity, identification of activities
	14	Preparation of bar charts for simple construction work
4th	15	Preparation of schedules for labour, materials, machinery and finances for small works
	16	Preparation of schedules for labour, materials, machinery and finances for small works
	17	Limitations of bar charts
	18	Introduction to network techniques, PERT and CPM, differences
	19	Introduction to network techniques, PERT and CPM, differences
5th	20	characteristics
	21	characteristics
	22	characteristics
	23	characteristics
	24	characteristics
	25	characteristics
6th	26	Test Of Chapter - 1, 2, 3
	27	Principle of storing and stacking materials at site
	28	Principle of storing and stacking materials at site
	29	Location of equipment
	30	Preparation of actual job layout for a building
7th	31	Preparation of actual job layout for a building
	32	Organizing labour at site
	33	Conditions of construction workers in India, wages paid to workers
	34	Conditions of construction workers in India, wages paid to workers
	35	Labour Welfare Fund Act 1936
	36	Labour Welfare Fund Act 1937
8th	37	Payment of Wages Act 1936
	38	Payment of Wages Act 1937
	39	Minimum Wages Act 1948
	40	Minimum Wages Act 1949
	41	Methods of recording progress
9th	42	Analysis of progress
	43	Taking corrective actions keeping head office informed
	44	Cost time optimization for simple jobs - Direct and indirect cost, variation with time, cost optimization
	45	Need for inspection and quality control
	46	Need for inspection and quality control
	47	Test of Chapter - 4, 5, 6

10th	48	Principles of inspection
	49	Stages of inspection and quality control for :- Earth work
	50	Stages of inspection and quality control for :- Masonry
	51	Stages of inspection and quality control for :- RCC
11th	52	Stages of inspection and quality control for :- Sanitary and water supply services
	53	Accidents – causes and remedies
	54	Accidents – causes and remedies
	55	Safety measures for :- Excavation work
	56	Safety measures for :- Drilling and blasting
12th	57	Safety measures for :- Hot bituminous works
	58	Safety measures for :- Scaffolding, ladders, form work
	59	Safety measures for :- Demolitions
	60	Introduction, technical sanction
13th	61	administrative approval, allotment of funds
	62	re-appropriation of funds bill, contractor ledger
	63	measurement book running and final account bills complete
	64	preparation of bill of quantities (BOQ), completion certificate & report, hand receipt
	65	acquittance for. muster for labour, casual labour for-duties and responsibility of different
14th	66	budget-stores, returns, account of stock, misc. P.W. advances T & P – verification
	67	survey report, road metal material charged direct to works
	68	account - expenditure & revenue head, remittance and deposit head, defination of cash
	69	precaution in custody of cash book, imprest account, temporary advance
	70	treasury challan, preparation of final bills
	71	Students must learn to prepare accounts register, stock register
	72	Test of Chapter - 7, 8, 9