Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

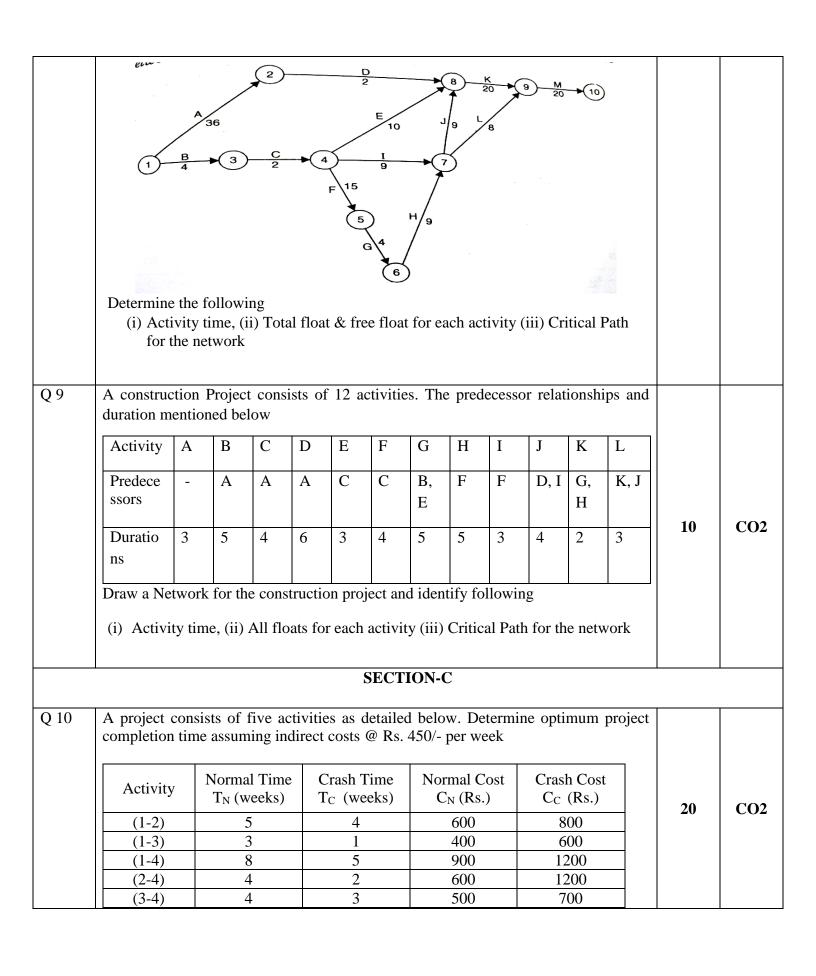
End Semester Examination, July 2020

Course: Construction Management Practices

Program: M.Tech, Structure Engg., Civil Engg

Time 03 hrs.

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Course Code: CIVL 7017 Max. Marks:										: 100			
Pages:													
Instruc	tions:				CE	CTIO	NT A						
					SE	CHO	IN A						
S. No.												Marks	CO
Q 1	Define the difference between Float & Slack.							4	CO2				
Q 2	Define briefly the role of Construction Management.							4	CO1				
Q 3	Define the following: (1) Tender (2) Contract							4	CO3				
Q 4	Define two approaches of resource allocation for their optimum utilization in Project.						4	CO2					
Q 5	A construction Project consists of 10 events. The predecessor relationships as												
	indicated below:												
		1	1		1	1		,	1	,		4	CO2
	Event	1	2	3	4	5	6	7	8	9	10		
	Immediate	-	1	2	2	2	3,5	3,4	3,7	7	3,6,8,9		
	Predecessor												
	Draw Network diagram.												
					SE	CTIO	N B						
Q 6	What are various typ	e of C	Contrac	et in c	onstru	ction	indust	ry? Ex	plain	chara	cteristic,	10	GO2
	advantage & disadva	ntage	of for	Cost	Plus c	ontrac	et & L	ump S	um co	ontrac	t.	10	CO3
Q 8	Discuss the Project (-		ageme	ent and	d steps	s invol	ved fo	r defi	ning i	t? Explain		
	the process for Quali	ty cor	itrol.										
	Or											10	CO4
	Explain the Risk Ma	nagen	nent fo	or proj	ect? I	Draw f	low ch	nart of	risk n	nanag	gement		
	process, showing each step with its purpose & tools used.												
Q 7	The network of a con	istruc	tion pi	oject	as sho	wn in	fig be	low w	ith es	timate	ed durations		
	of various activities.											10	003
												10	CO ₂
	1												



	OR		
	For the below mentioned network assume that, after working 15 days on the project, the following conditions exist: a. Activities 1-2, 1-3, & 1-4 are completed as originally planned b. Activity 2-4 is in process & will be completed in 3 more days c. Activity 3-6 is in process and will need 18 more days for completion d. Activity 6-7 appears to present some problem & its new estimated time of completion is 12 days e. Activity 6-8 can be completed in 5 days instead of originally planned 7 days i. Formulate a new project based on the assessment at the end of 15 days. Including all activities in the new project ii. Draw bar chart for the original project and show on it the progress as on 15th day. Indicate also the modification based on the re-assessment	20	CO2
Q 11	Figure shows the drawings of a single room quarter. Estimate the quantities and cost of the following by Long wall and short wall method. 1. Earth work in excavation in foundation in ordinary soil 2. Cement concrete in foundations 3. 2.5 cm DPC with (1:1.5:3) CC with standard water proofing material 4. First class B.B. work in foundation & Plinth in cement mortar(1:6)	20	CO5

