Name:

**Enrolment No:** 



## **UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, May 2022**

Course: Construction Management Practices
Program: M.Tech, Structure Engg., Civil Engg

Course Code: CIVL 7017

Pages: 05

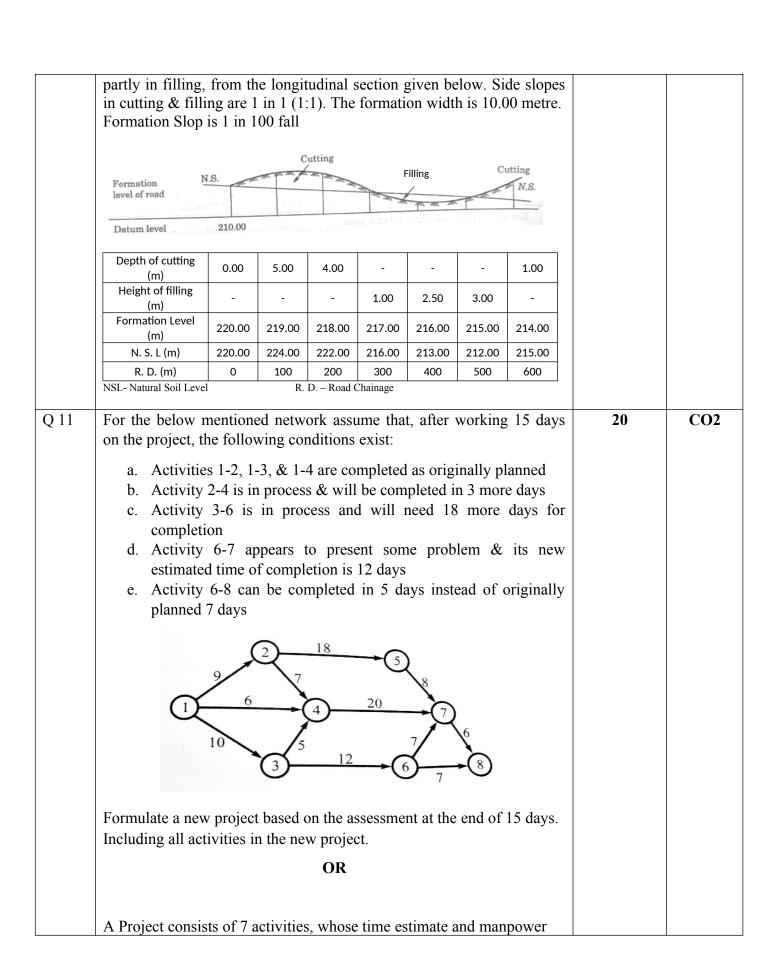
Instructions: All questions are compulsory

Semester: II Time 03 hrs.

Max. Marks: 100

				SECTIO	N A			
S. No.							Marks	CO
Q 1	Why cons	Why construction industry is					4	CO1
Q 2	Define th	Define the various phases of construction project management in brief.					4	CO4
Q 3	Define the contract & tender? What are processes from tendering to contract.						4	CO3
Q 4	What is rate analysis in construction project & what are various factors affects it?					4	CO5	
Q 5	Draw the network diagram for the following activities of a construction project							
	Activity	Predecessor Activity	Duration (Days)	Activity	Predecessor Activity	Duration (Days)	4	CO2
	А	-	13	G	D, F	8		
	В	А	8	Н	Е	6		
	С	В	10	I	Н	7		
	D	С	9	J	G, I	14		
	Е	В	11	К	J	18		
	F	E	10					
	1			SECTIO	ON B			1
Q 6		uction industry plain difference					10	CO3

	Define Project management for construction project? What are various phases of project management? Define all phases in brief.		
Q 7	Analyze the Construction project shown below  Analyze the Construction project shown below  80  80  70  11  80  70  11  80  80  70  11  80  80  80  80  80  80  80  80  8	10	CO2
Q 8	Calculate Quantities of following items for below wall  1. Earth work  2. Cement Concrete  3. Brickwok  P.L.  Second step  Brick work  First step  Concrete  Cross Section AB	10	CO5
Q 9	Define Project management for construction project? What are various phases of project management? Define all phases in brief.  OR  Would you be a project manager of construction project, which are various accounts for construction Project failure?	10	CO1
	SECTION-C		
Q 10	Calculate the quantity of earth work for the road, partly in cutting &	20	CO5



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requirement	are	ınd	icated	below:

Activity	1-2	1-3	2-3	2-4	3-5	4-5
Duration (days)	2	4	8	5	7	2
Manpower Bar- Benders (B)	2	-	6	3	2	1

Do resource smoothing & show the same by drawing Histogram for Bar-benders.