Name:

Enrolment No:



Semester: II

Time 03 hrs.

Max. Marks: 100

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

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

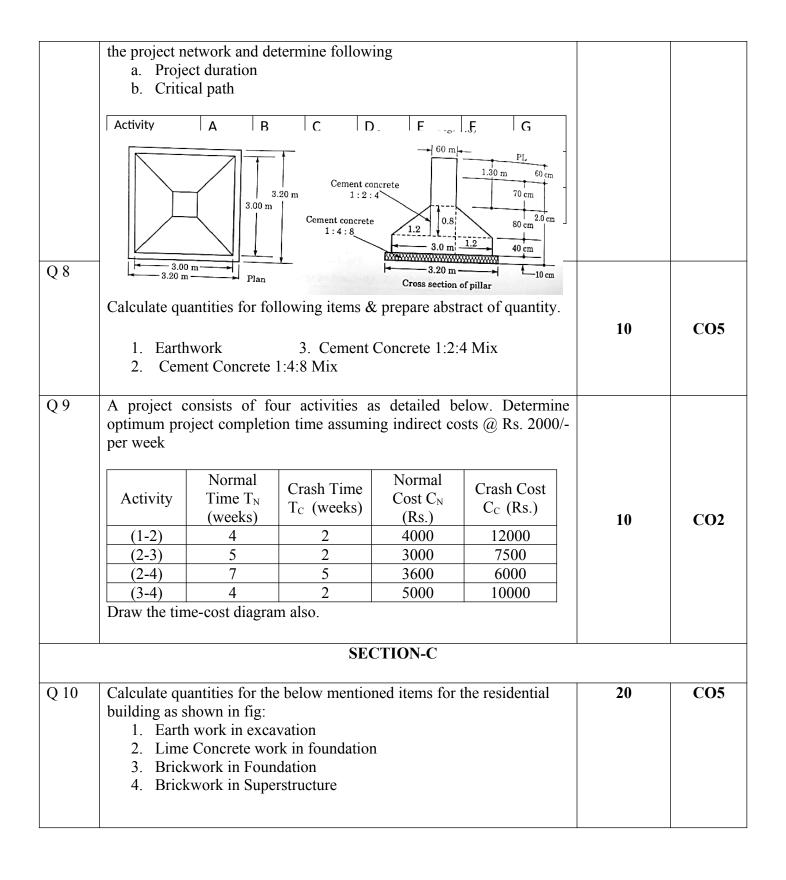
Course Code: CIVL 7017

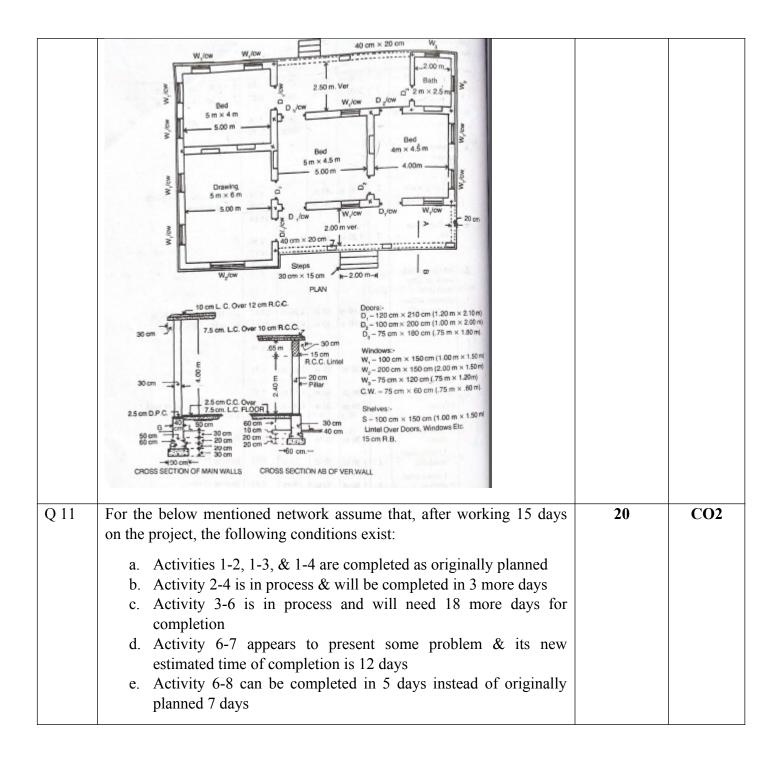
Pages: 05

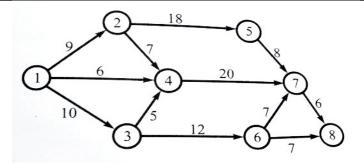
Instructions: All questions are compulsory

SECTION A

S. No.		Marks	СО
Q 1	Briefly explain the importance of project management for construction project.	4	CO1
Q 2	Would you be a project manager of construction project, which are various accounts for construction Project failure?	4	CO4
Q 3	When any contract considered as Void contract. Explain	4	CO3
Q 4	Why Estimation is important for the construction Project?	4	CO5
Q 5	Draw a network diagram for the project having nine activities with following relationship i. C follows D but precedes F ii. C follows B but proceeds H iii. G follows F but precedes I iv. E follows A but receives I v. D follows A vi. H and I terminate at same time vii. A and B start at same time Draw the network and number the event using Fulkerson rules.	4	CO2
	SECTION B		
Q 6	In construction industry, list down various types of contract generally used? Explain difference in PPP Contract and Lumpsum contract. OR Define Project management for construction project? What are various phases of project management? Define all phases in brief.	10	CO3
Q 7	A construction project consist of 7 activities as mentioned below. Draw	10	CO2







Formulate a new project based on the assessment at the end of 15 days. Including all activities in the new project.

OR

A Project consists of 7 activities, whose time estimate and manpower requirement are indicated 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.