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GUJARAT TECHNOLOGICAL UNIVERSITY					
Subi	ect (BE - SEMESTER-VI(NEW) EXAMINATION – WINTER 2022 Code:3161303 Date:15-12			
•		Name:Estimation, Specifications and Project Management	2-2022		
•		:30 PM TO 05:00 PM Total Ma	rkc•70		
Instru			1 K5. / U		
		Attempt all questions.			
	2.	Make suitable assumptions wherever necessary.			
		Figures to the right indicate full marks.			
	4.	Simple and non-programmable scientific calculators are allowed.	MARKS		
Q.1	(a)		03		
	(b)		04		
	(c)	Estimate the quantity for Brick work and Plaster work from Figure 1.	07		
Q.2	(a)	Estimate the quantity for PCC from Figure 1.	03		
	(b)		04		
	(c)	Write Specifications of Brick work I Class in cm (1:6).	07		
		OR			
	(c)	Write Specifications of excavation.	07		
Q.3	(a)	What is Tender? What is importance of the Tender?	03		
	(b)		04		
	(c)	Explain various types of contract.	07		
		OR			
Q.3	(a)	What is contract? What is importance of the contract?	03		
	(b)	•	04		
	(c)	Explain various types of Tender.	07		
Q.4	(a)		03		
	(b)		04		
	(c)	Write Rate analysis for the BBCC (1:6:12). OR	07		
Q.4	(a)	What do you mean by dummy activity in the project management?	03		
	(b)	Write Rate analysis for the Excavation for foundation in ordinary soft soil.	04		
	(c)	Write Rate analysis for the 12 cm RCC slab (1:2:4) with steel reinforcement.	07		
Q.5	(a)		03		
	(b)		04		
	(c)	From the data of table 1, create critical path bar chart. OR	07		
Q.5	(a)	Explain four methods of project planning.	03		
	(b)	Differentiate between Milestone chart & Bar chart.	04		

From the data of table 1, prepare the network diagram and create critical

(c)

path.

07

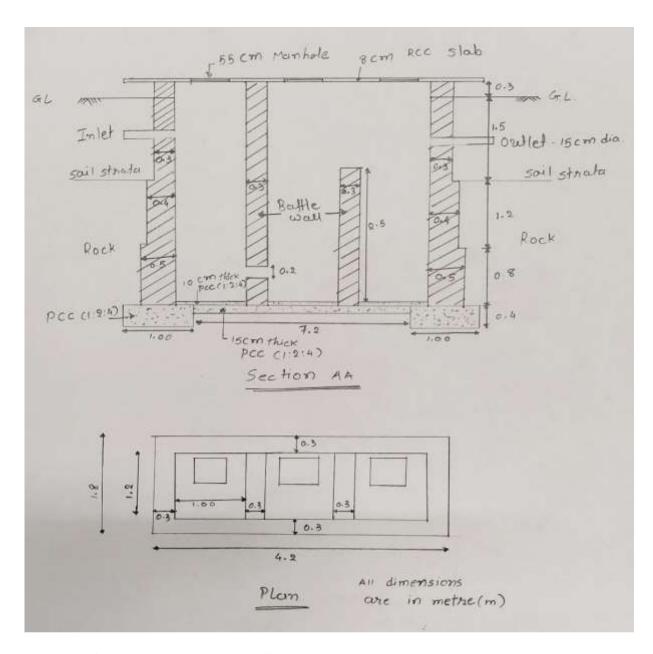


Figure 1: Section and Plan view of Septic tank with three compartments

Table 1: Data for Network diagram and Bar Chart

Activity	Duration in days	Preceding activity	Following activity
A	4	None	C, D
В	5	None	D
С	7	A	E, F
D	6	A, B	G
Е	8	C	None
F	5	С	None
G	6	D	None

******All the Best*****