

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI (NEW) EXAMINATION – SUMMER 2024****Subject Code:3161303****Date:20-05-2024****Subject Name:Estimation , Specifications and Project Management****Time:10:30 AM TO 01:00 PM****Total Marks:70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

		MARKS
Q.1	(a) Estimate the quantity for Excavation from Figure 1.	03
	(b) Estimate the quantity for P.C.C. & R.C.C. from Figure 1.	04
	(c) Estimate the quantity for Brick masonry work and Plaster work from Figure 1.	07
Q.2	(a) Give classification of specification.	03
	(b) Explain Long wall – short wall method for Estimate by example.	04
	(c) Write Specifications of R.C.C work proportion (1:2:4).	07
	OR	
	(c) Write Specifications of excavation.	07
Q.3	(a) Enlist and explain various type of foundation	03
	(b) Write Essential requirements of contract.	04
	(c) What is Earnest money and Security deposit?	07
	OR	
Q.3	(a) Explain rubble masonry with its types in details.	03
	(b) What is Tender? What is importance of the Tender?	04
	(c) Draft out a typical tender notice to be given in local newspaper for construction of laboratory building worth RS 10,00,000.	07
Q.4	(a) Difference between Event and Activity.	03
	(b) Write Rate analysis for the Marble flooring.	04
	(c) Write Rate analysis for the RCC slab proportion (1:2:4) with steel reinforcement.	07
	OR	
Q.4	(a) What are general provisions of condition of contract?	03
	(b) Write Rate analysis for the Oil Painting.	04
	(c) Write Rate analysis for the P.C.C. proportion (1:6:12).	07
Q.5	(a) What do you mean by Preceding Activity in the project management?	03
	(b) Explain advantage and disadvantage of Network diagram for Project Management.	04
	(c) Difference between PERT and CPM.	07
	OR	
Q.5	(a) What is Project planning?	03
	(b) Explain about Bar chart for Project Management.	04
	(c) Explain four methods of project planning.	07

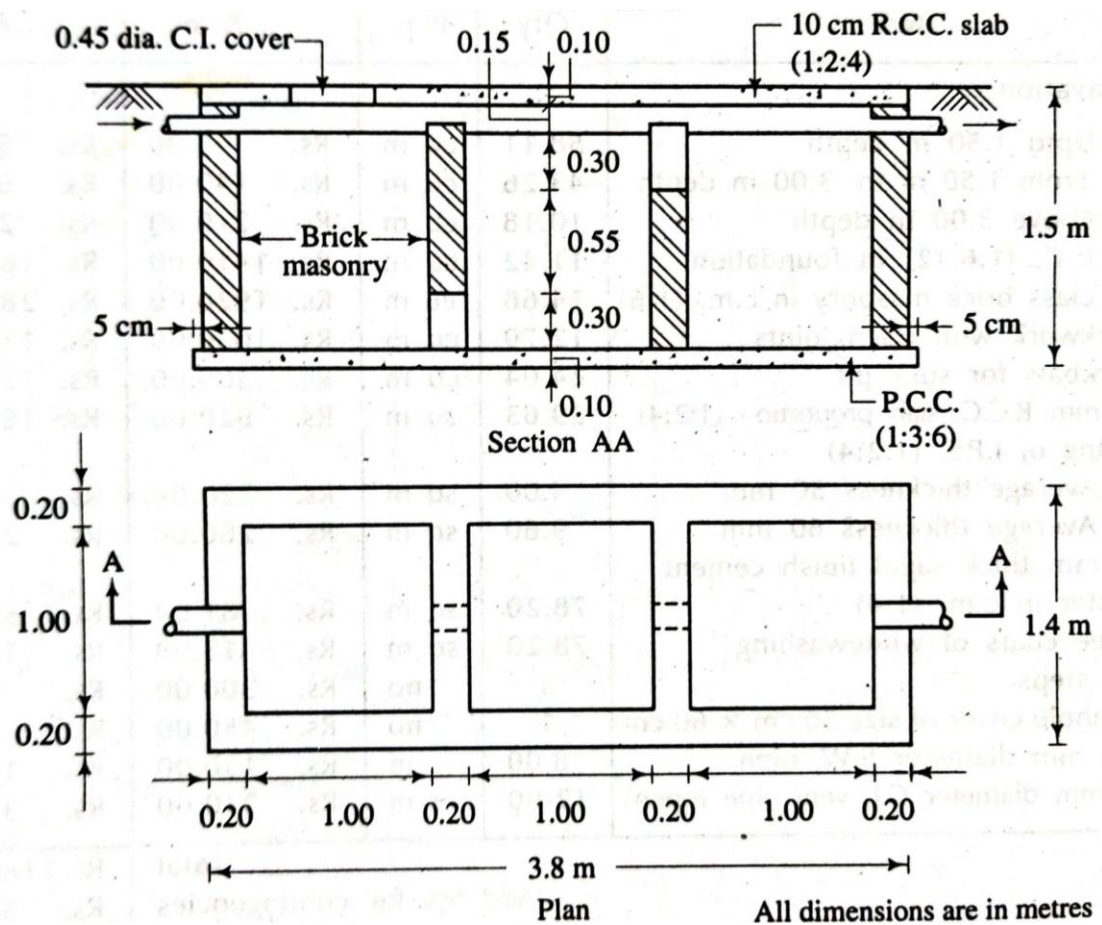


Figure 1: Section and Plan view of Septic Tank
