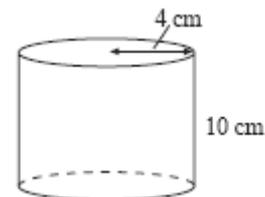
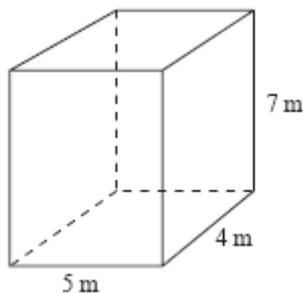


GUJARAT TECHNOLOGICAL UNIVERSITY**BARCH - SEMESTER- VI EXAMINATION – WINTER 2021****Subject Code: 2X65005****Date:14/12/2021****Subject Name: Estimation and Costing****Time:02:30 PM to 04:30 PM****Total Marks: 50****Instructions:**

1. Attempt any five out of seven questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

		Marks
Q.1	(a) Write the Specification for the 1 st class brickwork in CM (1:6) for superstructure.	10
Q.2	(a) Define the Rate Analysis and Write down the purpose of it.	05
	(b) Which types of Data are required for the Estimation? Draw the Abstract and Measurement Sheet.	05
Q.3	(a) What is mean by 'Specification'? Enlist and explain the various types of specification.	10
Q.4	(a) Find the rate of Plain cement concrete (1:1.5:3) per m ³ . by rate analysis. Assume suitable rates of material and labour.	10
Q.5	(a) Enlist the Different types of Detailed Estimate. Explain any two.	05
	(b) Calculate Area and Volume of the given in figure – 1 .	05
Q.6	(a) Find the quantity and rate analysis for 100 m ² area and 12 mm thick plaster (1:4).	10
Q.7	(a) Prepare the Estimation of following quantities given in fig.2 (Use any Method) <ol style="list-style-type: none"> 1. Excavation 2. P.C.C 3. 2nd class brickwork for footings up to plinth level. 	10

**Figure – 1**

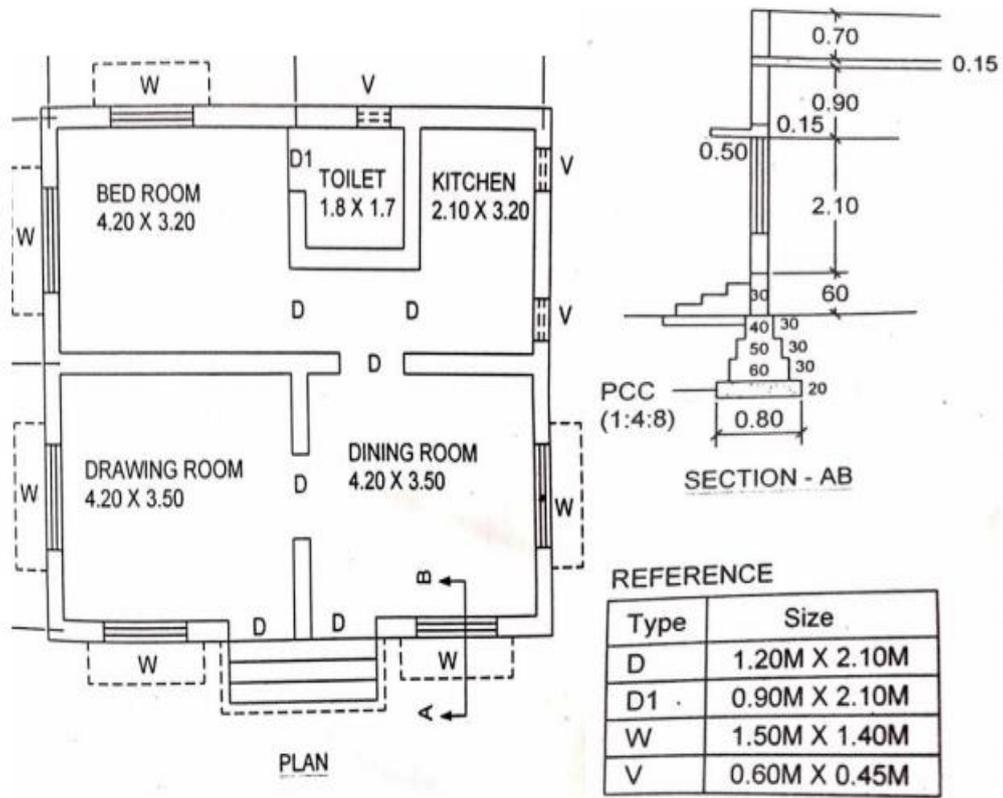


Figure - 2
