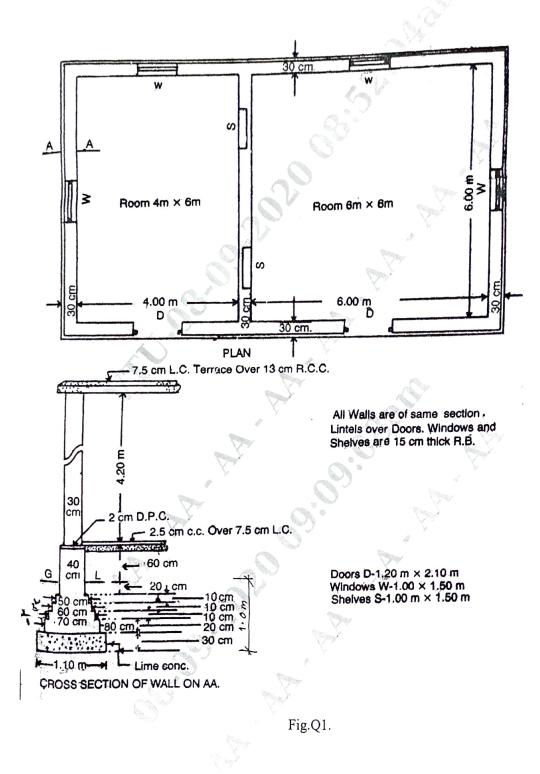
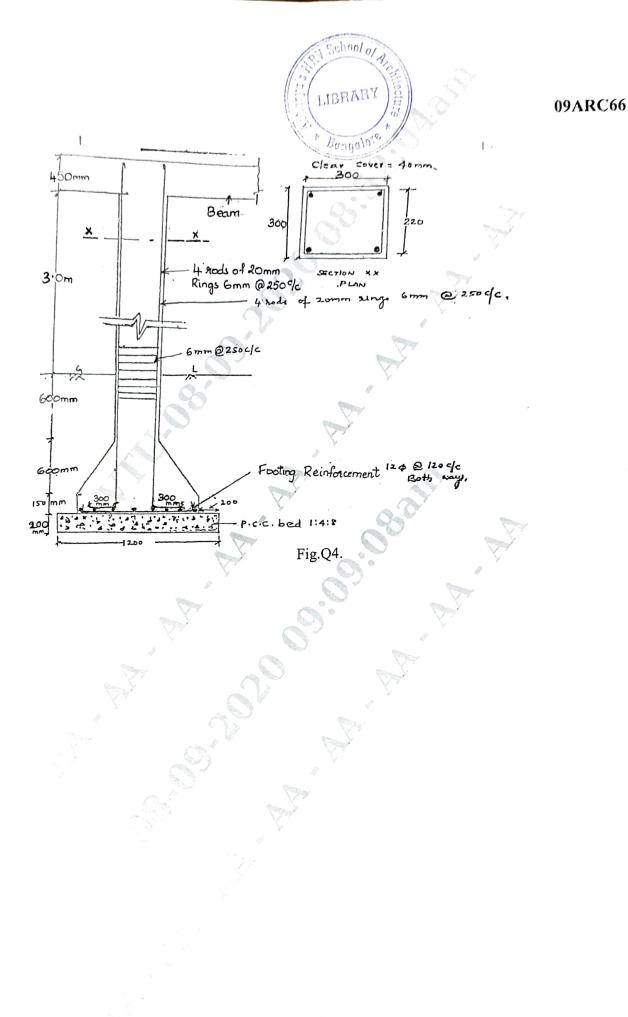
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Sixth Semester B.Arch. Degree Examination, Aug./Sept.2020		
 Estimating and Costing 		
Tiı	ne: 3 hrs. Max. Max. M	Marks:100
Note: Q.No. 1 is compulsory and answer any FOUR questions from Q.No. 2 to 7.		
1	 Fig.Q1 shows the details of a small residential unit. Prepare a detailed estimate mentioned items of works by "CENTRE LINE METHOD". a. Centre line calculations details. b. Earth work excavation for the foundation in hard soil. c. P.C.C bed concrete in 1 : 4 : 8 for foundation using 40 mm and down 	(08 Marks) (08 Marks)
	aggregates. d. P/C size tone masonry walls in CM 1 : 6 in foundation and plinth.	(10 Marks)
	e. P/C burnt brick masonry in cm 1 : 6 for super structure (only main walls).	(10 Marks)
2	 Write a detailed specification for any three of the following : a. RCC work (1 : 2 : 4). b. Cement plastering in CM (1 : 6). c. Earthwork in excavation in foundation. d. Brick work 1st class in CM (1 : 6). 	(15 Marks)
3	 Write technical specification for any three of the following : a. Ashlar masonry. b. White washing. c. Cement Mortar - Plastering. d. Drick work 1st aloop 	(15 Marta)
	d. Brick work 1 st class.	(15 Marks)
4	Prepare a detailed estimate of a RCC column and footing from the given drawing in detail and RCC work shall be calculated separately.	Fig.Q4. Steel (15 Marks)
5	Calculate the volume of earth work for 100.00m length of road in a uniform grout the bank at one end is 0.75m and at the other end 1.25m. Formation width 10.0m at of embankment is 2 : 1. Calculate the volume of earth work by all four methods.	
6	 Fig.Q6 shows the details of a septic tank with soak well. Prepare the estimate for. a. Excavation. b. BBCC (1:6:12) in foundation. c. Brick masonry in CM (1:6) for septic tank. d. Brick work with openings for soak pit. e. 10 cm RCC slab (1:2:4). 	(15 Marks)
7	Explain Analysis of Rates and over head costs.	(15 Marks)
1		(15 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. 2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

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