Seat No.:	Enrolment No.

Subject Code: 3356206

Instructions:

Time: 10:30 AM TO 12:30 PM

1. Attempt all questions.

Subject Name: ESTIMATION AND COSTING

GUJARAT TECHNOLOGICAL UNIVERSITY

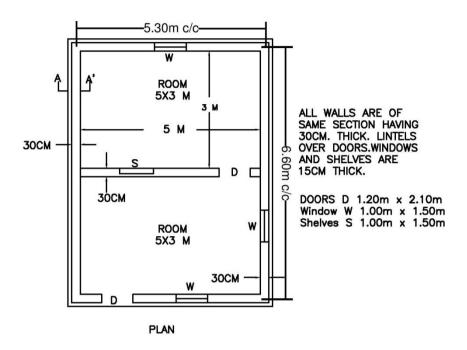
DIPLOMA ARCHITECTURE - SEMESTER - V EXAMINATION - WINTER- 2015

given plan and section in Figure 1 (Any Five) (1) Earthwork in excavation in foundation (2) Lime concrete in foundation (3) First class brick work in cement mortar 1:6 in foundation and plinth (4) 2.5 cm Damp Proof Course(D.P.C) (5) First class brick work in lime mortar in superstructure (6) Smooth plaster on inside rooms (7) Smooth plaster on ceiling (1:3) Q.2 (a) What is Contingencies? (b) Adopt suitable rates and prepare Abstract Sheet for the items calculated in above question 1. Q.3 (a) What is specifications? (b) Write Detailed specification for the following items.(Any two) 1. Earthwork in excavation 2. First class brick work in cement 1:4 in super structure 3. Plaster in cement mortar OR (a) What are the types of specifications and Rate analysis. (b) Give importance of the specifications and Rate analysis. (b) Give importance of the specifications and Rate analysis. (b) Find rate of Plain Cement Concrete (1:2:4) per cu.m. by Rate Analysis. Assume suitable rates of material and labour. Take 10 cu.m. OR (a) Give current market rate of following: 1. Brick 2. Steel Bars 3. Cement 4. Sand (b) Calculate Following: 1. No. of bricks required for 1 cu.m. brickwork 2. No. of cement bag for 10 cu.m.brickwork in cement mortar (1:4) OR (a) Which are the qualities of good estimator? OR (b) Define Following: 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		 Fig Use Use 	ke Suitable assumptions wherever necessary. gures to the right indicate full marks. e of programmable & Communication aids are strictly prohibited. e of only simple calculator is permitted in Mathematics. glish version is authentic.	
(b) Adopt suitable rates and prepare Abstract Sheet for the items calculated in above question 1. Q.3 (a) What is specifications? (b) Write Detailed specification for the following items.(Any two) 1. Earthwork in excavation 2. First class brick work in cement 1:4 in super structure 3. Plaster in cement mortar OR (a) What are the types of specifications. (b) Give importance of the specifications and Rate analysis. Q.4 (a) Define rate analysis. (b) Find rate of Plain Cement Concrete (1:2:4) per cu.m. by Rate Analysis. Assume suitable rates of material and labour. Take 10 cu.m. OR (a) Give current market rate of following: 1. Brick 2. Steel Bars 3. Cement 4. Sand (b) Calculate Following: 1. No. of bricks required for 1 cu.m. brickwork 2. No. of cement bag for 10 cu.m.brickwork in cement mortar (1:4) Q.5 Define contract. List different types of contracts and explain any two. OR (a) Which are the qualities of good estimator? OS OS	Q.1	(2) (3) (4) (5) (6)	given plan and section in Figure 1 (Any Five) Earthwork in excavation in foundation Lime concrete in foundation First class brick work in cement mortar 1:6 in foundation and plinth 2.5 cm Damp Proof Course(D.P.C) First class brick work in lime mortar in superstructure Smooth plaster on inside rooms	10
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OR (a) Which are the qualities of good estimator? (b) Define Following: OR 05 05		(b)	1. No. of bricks required for 1 cu.m. brickwork	08
(b) Define Following: 05	Q.5			10
1 /2		, ,		05 05

Date: 16 - 12 - 2015

Total Marks: 50

- 1. Work charged Establishment Charges
- 2. Schedule of rate (S.O.R.)
- 3. Estimate
- 4. Quantity Surveying
- 5. Costing



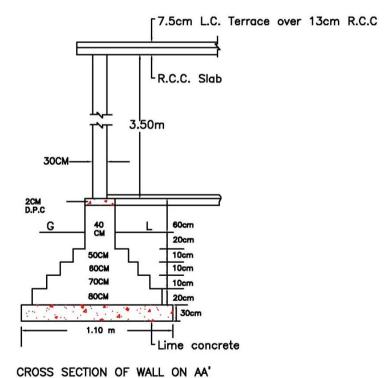


FIGURE 1

BEST OF LUCK