Seat No.:	Enrolment No.
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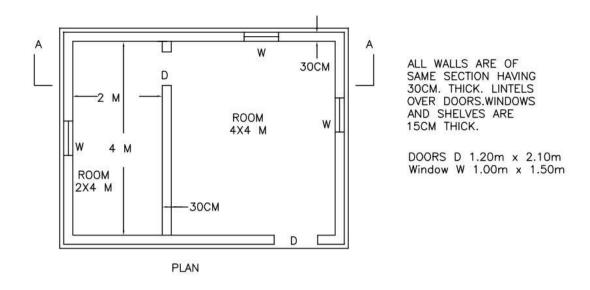
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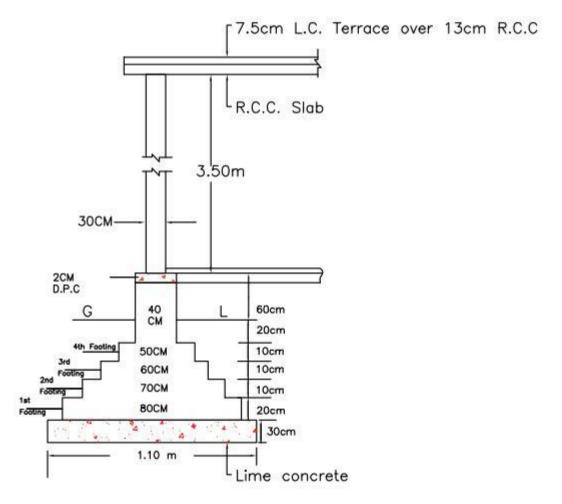
DIPLOMA ENGINEERING - SEMESTER - V• EXAMINATION - SUMMER 2016

Subject Code: 3356206 Date: 04/06/2016 **Subject Name: ESTIMATION AND COSTING** Time: 02:30 PM to 04:30 PM **Total Marks: 70 Instructions:** 1. Attempt all questions. 2. Make Suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. 4. Use of programmable & Communication aids are strictly prohibited. 5. Use of only simple calculator is permitted in Mathematics. 6. English version is authentic. Estimate the quantities of the following items of a two roomed building from the **Q.1** 10 given plan and section in **Figure 1** (Any Five) Note: Deduct only door and windows. Earthwork in excavation in foundation **(1)** Lime concrete in foundation **(2) (3)** First class brick work in cement mortar 1:6 in foundation for 1st footing only 2.5 cm Damp Proof Course(D.P.C) **(4)** First class brick work in lime mortar in superstructure **(5)** Smooth plaster on inside rooms **(6)** Smooth plaster on ceiling (1:3) **(7) Q.2** Define Estimate. 02 (a) **(b)** Adopt suitable rates and prepare Abstract Sheet for the items calculated in above 08 question 1. What is specifications? Write Detailed specification for the following items. (Any **Q.3** (a) 10 two) 1. Earthwork in excavation 2. Cement Concrete in Foundation (1:4:8). 3. Sand Filling In Plinth. OR Write Purpose (Necessity) of Specification? 10 (a) Define rate analysis. List and explain the factors that affect rate analysis. **Q.4** (a) 10 (a) Find rate of 12mm Plastering (1:6) per sq.m. by Rate Analysis. Assume suitable **10** rates of material and labour. Take 100 sq.m. **Q.5** Define contract. List different types of contracts and explain any two. **10** Which are the qualities of good estimator? (a) 05 Define Following: **(b)** 05 1. Work charged Establishment Charges 2. Schedule of rate (S.O.R.)

3. Costing

4. Provisional sum5. Estimating





CROSS SECTION OF WALL ON AA'
FIGURE 1

BEST OF LUCK