

Roll No.

Total No. of Pages : 03

Total No. of Questions : 09

B.Arch.(2012 & Onwards) (Sem.-6)

## ESTIMATING, COSTING & SPECIFICATIONS – I

Subject Code : BACH-606

M.Code : 72292

Time : 3 Hrs.

Max. Marks : 60

### INSTRUCTIONS TO CANDIDATES :

1. Attempt total FIVE questions with minimum TWO questions from EACH UNIT and COMPULSORY question no. 1.
2. Assume the missing data if any and mention that along with answer.

1. a) What do you mean by analysis of rate?  
b) What are the units of measurement of plaster work and painting?  
c) Write the general specification for first class brick work in superstructure?  
d) What do you mean by abstract of estimated cost? (3×4=12)

### UNIT-I

2. What do you mean by estimate of a structure? Enlist different types of estimate and explain any two of them in detail. (12)
3. Estimate the quantities of earthwork in excavation, brick work in foundation and 2.5 cm DPC for a given plan, elevation and section as shown in figure-1. (12)
4. Estimate the quantities of lime concrete in foundation, brick work in superstructure and 25mm cement concrete flooring for a given plan, elevation and section as shown in figure-1. (12)

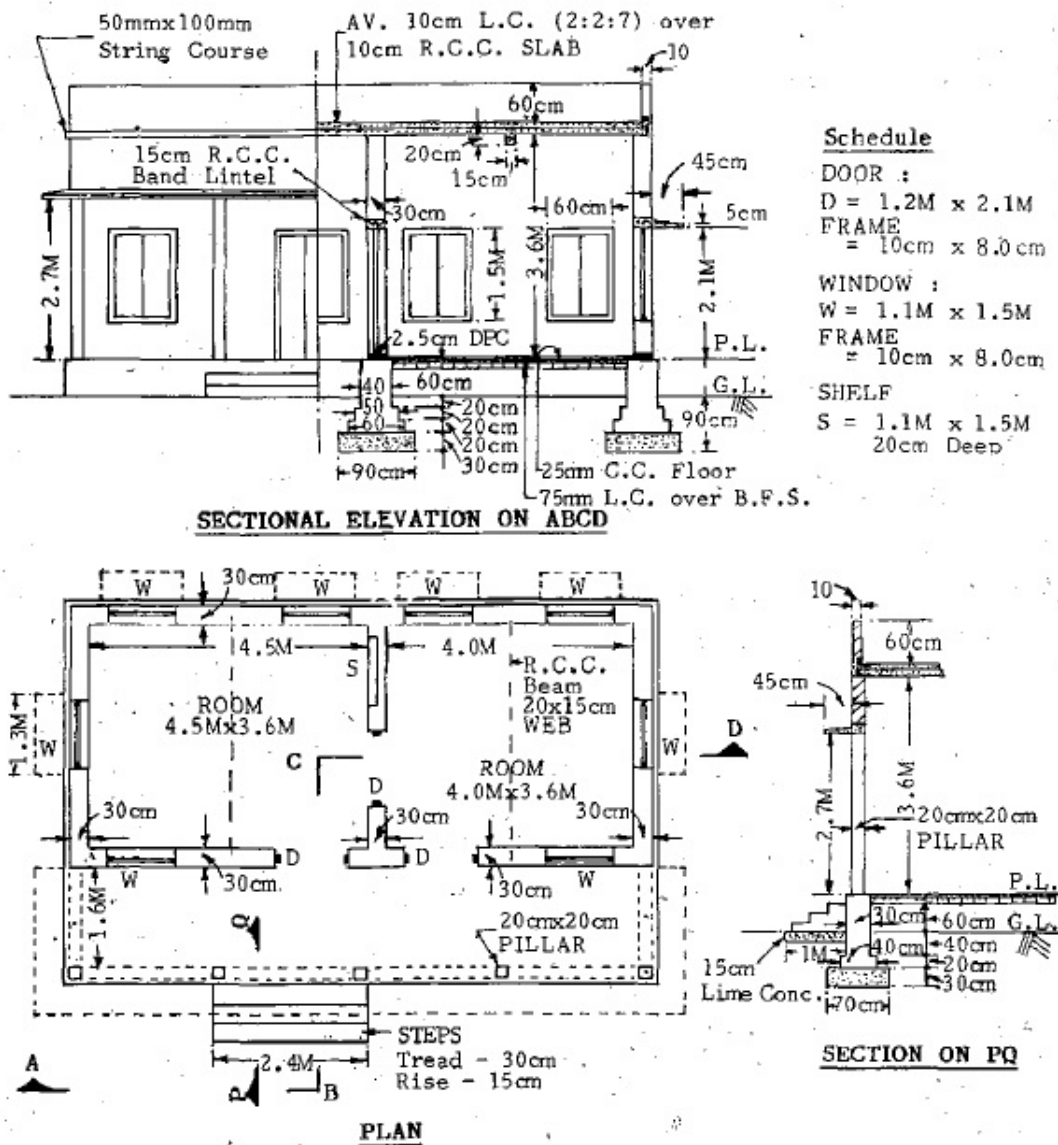


FIG.1

5. a) Calculate the quantities of material required for 100 m<sup>3</sup> of brick work in 1:6 cement mortars. (6)
- b) Explain the role of Bill of Quantities in estimation of a structure. (6)

**UNIT-II**

6. Enlist the different types of specification. Explain in detail with suitable examples. (12)

7. Explain the importance of specification for architects. What are the precautions to be taken while writing specification for a particular item of work? (12)
8. What are the rules for writing specifications for a particular item in detail? Write the detailed specification of electrical wiring of a residential building. (12)
9. Write the brief specification for : (3×4=12)
  - a) Kota stone flooring
  - b) Pointing.
  - c) Damp proof course
  - d) Varnishing

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**