



UG-6706

B. Arch. III (Sem. - V) Examination

May\June - 2012

Estimation, Costing & Specification (ARC-506)

Time : 2 Hours]

[Total Marks : 50

Instructions :

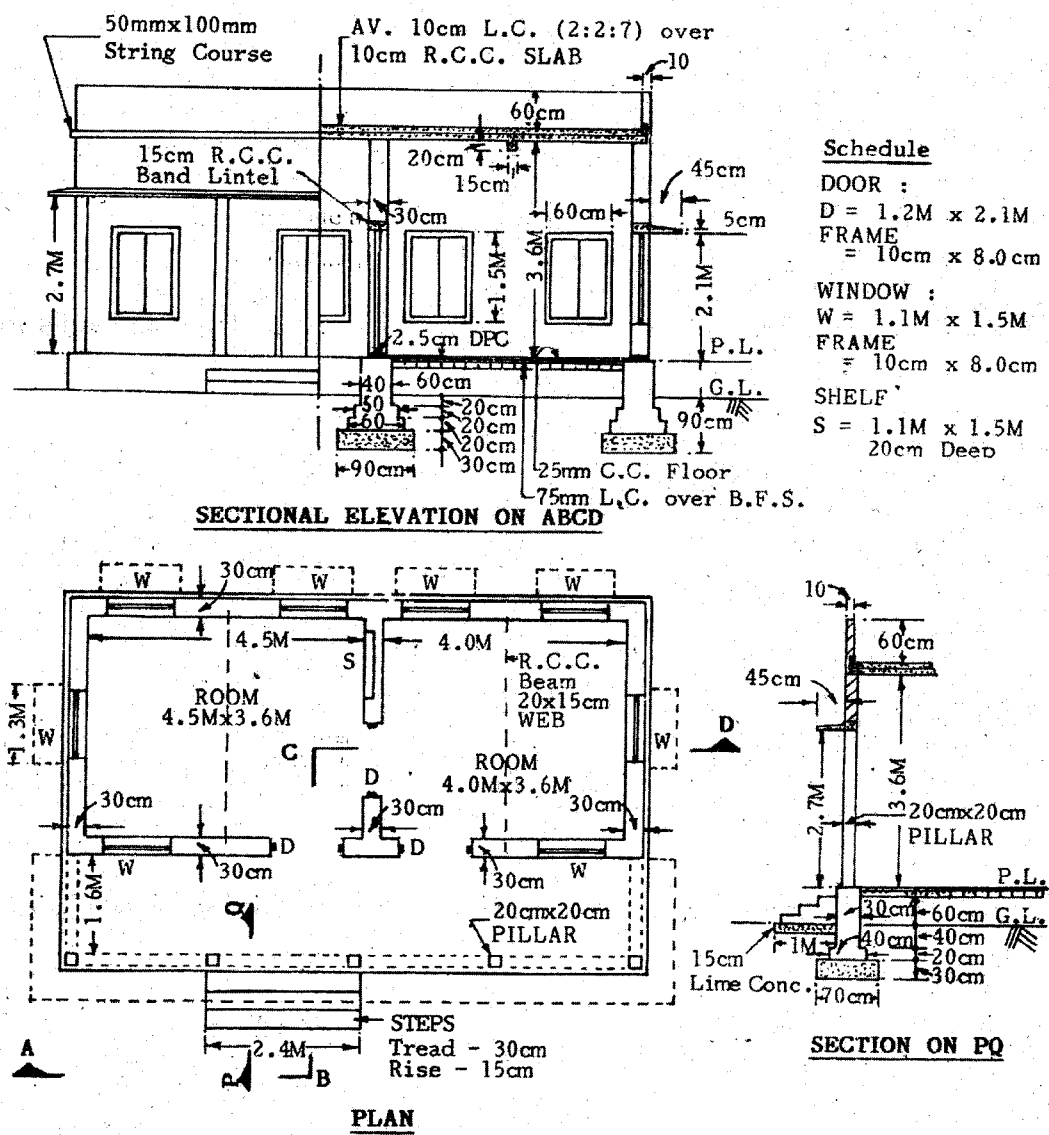
(1)

नीचे दर्शायेव निशानीवाणी विगतो उत्तरवही पर अवश्य कपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
B. Arch. - III (Sem. - V)	<input type="text"/>
Name of the Subject :	<input type="text"/>
Estimation, Costing & Specification (ARC-506)	<input type="text"/>
Subject Code No. : <input type="text"/> 6 <input type="text"/> 7 <input type="text"/> 0 <input type="text"/> 6	<input type="text"/>
Section No. (1, 2,.....): Nil	<input type="text"/>
	Student's Signature

- (2) Use of calculators is permitte.
- (3) Figures to right indicat full marks.
- (4) Assume suitable data if required and specifically mention them.
- (5) Use on nonprogrammable scientific calculator is permitted.

1 Give answers to the following using Fig. 01 : 30

- (i) Draw the foundation plan for the given building drawing.
- (ii) Write down brief specification for and Calculate quantity of earth work in excavation and P.C.C. (1:5:10) for foundation.
- (iii) Calculate the quantity for Brick work for the super sturcture.
- (iv) Calculate the quantity of 12 mm Thk. Smooth Internal Plaster for the super structure.
- (v) Calculate the quantity of Brick work in Foundation.
- (vi) Calculate the quantity for 20 mm Thk External Sand faced plaster.



(Figure - 01)

Fig. 1
 OR

- 1 Prepare 'Schedule of Bars' and work out the total steel required for the following R.C.C. Structural element Fig.-2. Also calculate the total quantity of concrete required for the element. 30

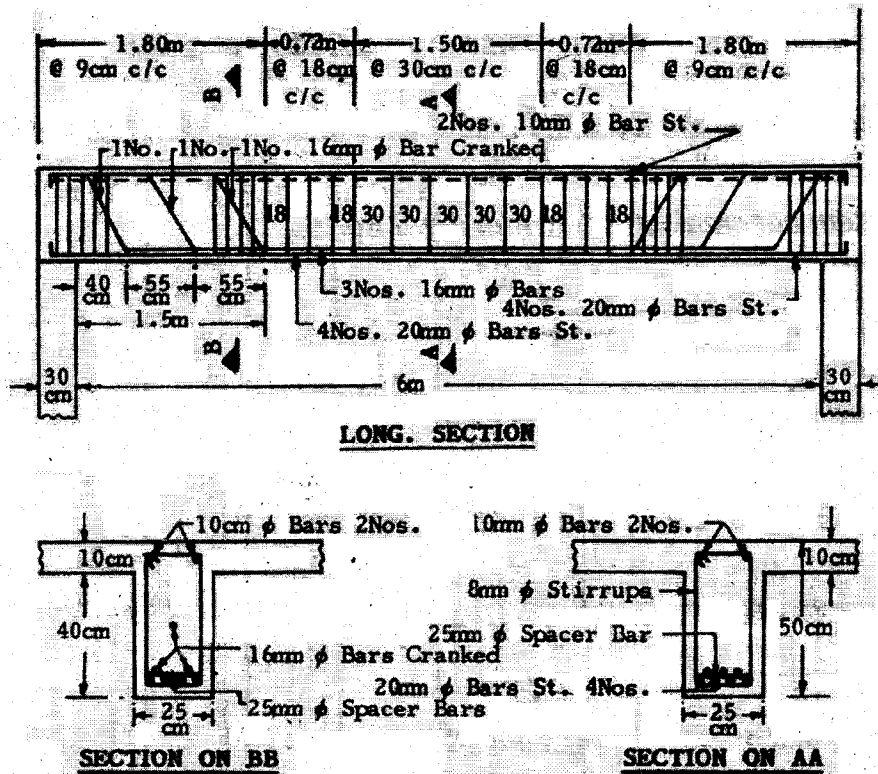


Fig. 2

- 2 Explain the following : (any two) 10
- (i) Write steps involved in tender process starting from advertisement in news paper to award of work.
 - (ii) What is the Overhead Cost ? Explain with an example ?
 - (iii) Workout quantity of material required to do 250 Cu mt of cement concrete in 1:1:1 proportion.
- 3 Wriet detailed specifications for the following item of works. 6
(any two)
- (i) Backfilling up to 1.5 m depth.
 - (ii) Structural steel work.
 - (iii) 230 mm thick brickwork for superstructure.
- 4 Answer the following : (any one) 4
- (i) Enlist methods of Approximate Estimate.
 - (ii) Draw format for : Measurement Sheet, Rate Analysis, BOQ and BBS.