



**UG-7003**  
**B. Arch. III (Sem. VI) Examination**  
**May/June – 2012**  
**Estimation**  
*(Old Course)*

Time : 2 Hours]

[Total Marks : 50

**Instructions :**

(1)

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| <p>नीचे दशांशविक निशानीवाणी विगतो उत्तरवही पर अवश्य कभवी.<br/>Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination :</p> <p>☛ <b>B. Arch. III (Sem. VI)</b></p> <p>Name of the Subject :</p> <p>☛ <b>Estimation (Old Course)</b></p> <p>☛ Subject Code No. : <b>7 0 0 3</b> ☛ Section No. (1, 2,.....) : <b>Nil</b></p> | <p>Seat No. :</p> <table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td></tr></table> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; margin-top: 10px;">Student's Signature</div> |  |  |  |  |  |  |
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- (2) Assume suitable data if required & mention then.  
(3) Use of scientific nonprogrammable calculator is permitted.

- 1 Give answers to the following using Fig. 01. **30**
- (1) Draw the foundation plan for the given building drawing.
  - (2) Calculate the quantity of filling in selected earth in the plinth.
  - (3) Calculate the quantity for items of RCC Lintel and Chajja.
  - (4) Write down brief specification for and calculate quantity of earth work in excavation and P.C.C. (1:5:10) for foundation.
  - (5) Calculate the quantity of 12 mm thick Smooth Internal Plaster for the super structure.
  - (6) Calculate the quantity for Brick work for the super-structure.

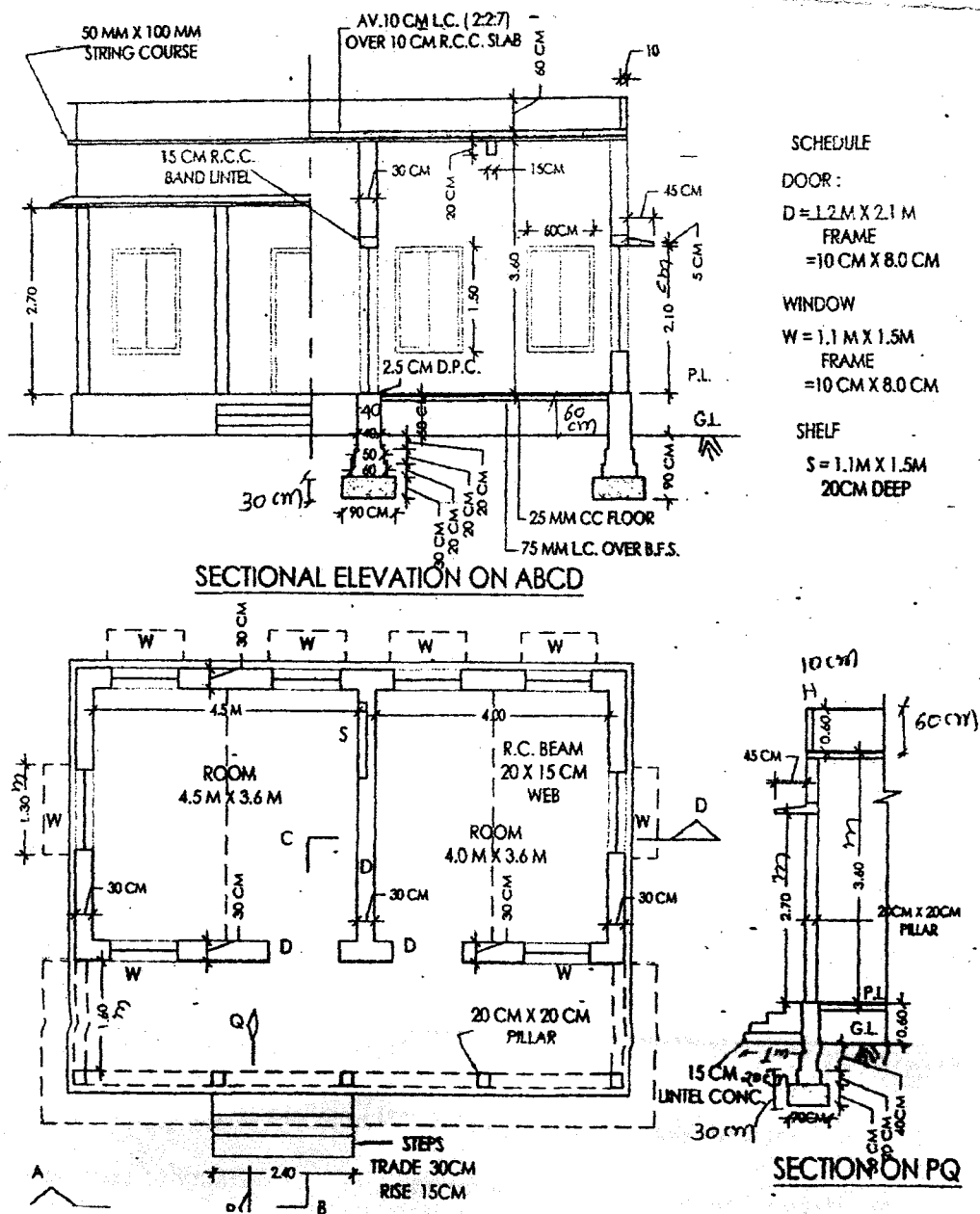
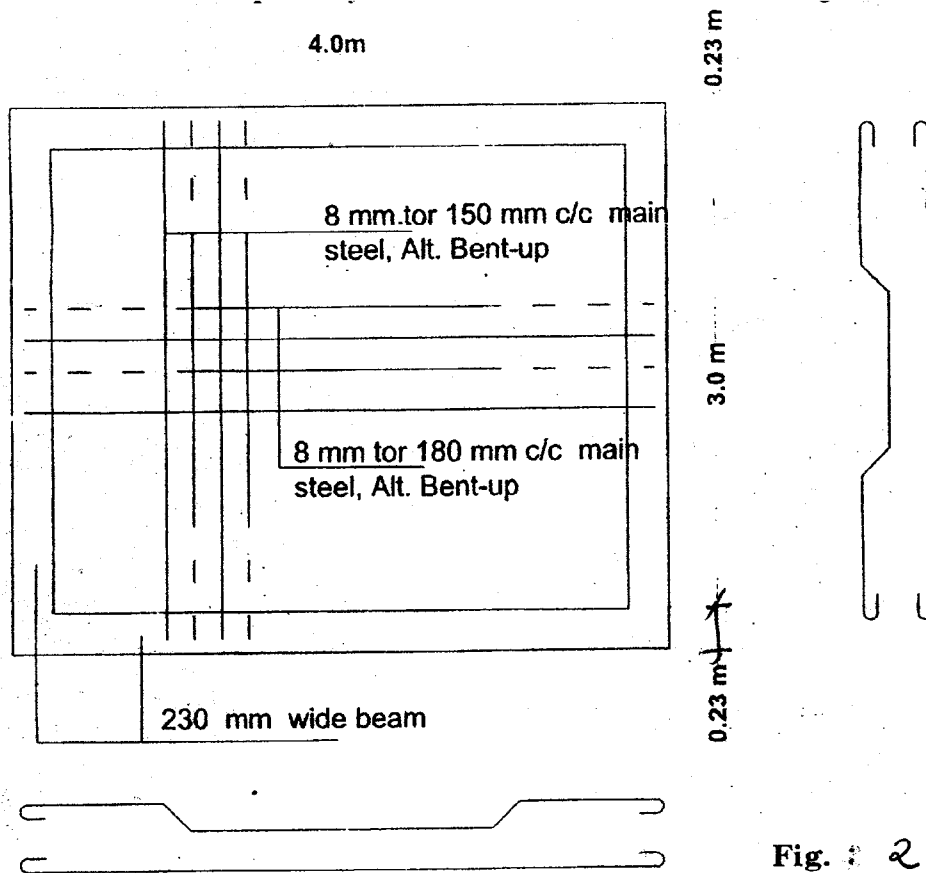


Fig. 1

- 2 Work out the quantity of different items required for (excluding steel) 125 cum cement concrete work with a proportion 1:1.5:3. 10

OR

- 2 Work out the quantity of steel for a slab shown in Fig. 2. 10



- 3 Answer the following. (any two) 4
- (1) Define the terms : "General Overheads" and "Job Overhead".
  - (2) Write a short note : Factors affecting analysis of rate of an item.
  - (3) Explain the method of deriving a rate of an item. Mention the steps to follow for arriving at a rate of an item.
- 4 The cost of construction for per unit area is Rs. 1200 6  
per sq.m.. for an area of 8600 sq. m., find out the total cost of construction. If 12 people were to use the space, then what would be the unit cost per person ?