



SD-6071

**B. Arch. - I (Sem - II) Examination**  
**May / June - 2011**  
**Bldg. Materials & Const. Technology-II**  
**Paper - ARC - 202**

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

|  |                      |
|--|----------------------|
| नीचे दशांशवैव निशानीवाणी विगतो उत्तरवही पर अवश्य लिखनी.<br>Fillup strictly the details of signs on your answer book.                           | Seat No. :           |
| Name of the Examination :  | <input type="text"/> |
| <input type="text" value="B. Arch. - 1 (Sem - 2)"/>  | <input type="text"/> |
| Name of the Subject :  | <input type="text"/> |
| <input type="text" value="Bldg. Materials &amp; Const. Technology - 2"/>   | <input type="text"/> |
| Subject Code No. : <input type="text" value="6"/> <input type="text" value="0"/> <input type="text" value="7"/> <input type="text" value="1"/> | <input type="text"/> |
| Section No. (1, 2,.....): <input type="text" value="Nil"/>   | <input type="text"/> |
|  | Student's Signature  |

(2) Figures to the right indicate full marks for the section.

(3) Neat sketches shall be given due weightage.

1 Fill in the blanks. 10

- (i) To prevent the obstruction of door swing of side hung door \_\_\_\_\_ doors are used.
- (ii) \_\_\_\_\_ type of doors provide air lock and hence are used in Air conditioned building.
- (iii) The door that swings in both directions is called \_\_\_\_\_ door.
- (iv) To conceal the crack between the door frame and masonry \_\_\_\_\_ is provided.

Define following.

- (v) Tread
- (vi) Widening joint
- (vii) Mullion
- (viii) Rebatting
- (ix) Bottom rail
- (x) Flight.

- 2** Write short notes on following : (any **two**) **20**
- (i) Ferrous metals.
  - (ii) Types of footings.
  - (iii) Types of hinges used in doors.
- 3** Explain in detail with neat sketches. (any **two**) **30**
- (i) PVC door frame
  - (ii) Metal window
  - (iii) Dog leg stair.
- 4** Sketch neatly and label. **20**
- (i) Random rubble wall
  - (ii) Any two lengthening joints in timber
  - (iii) Standard brick
  - (iv) Baluster.
- 5** Design and detail with dimensions specifications. (any **one**) **20**
- (i) Aluminum sliding window for opening of size  
1.2 mt. × 1.8 mt.
  - (ii) Wooden stairs.
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