



KD-6071

**B. Arch. I (Sem. II) Examination
December - 2012**

Building Materials and Construction Tech. - II

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दर्शाविए निशानीवाणी विगतो उत्तरवही पर अवश्य कर्जवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
<input type="text" value="B. Arch. 1 (Sem. 2)"/>	<input type="text" value="Student's Signature"/>
Name of the Subject :	
<input type="text" value="Building Materials and Construction Tech. - 2"/>	
Subject Code No. : <input type="text" value="6"/> <input type="text" value="0"/> <input type="text" value="7"/> <input type="text" value="1"/>	Section No. (1, 2,.....) : <input type="text" value="Nil"/>

- (2) Figures to the right indicate full marks for the section.
(3) Neat sketches with labels shall be given due weightage.

1 Objective type questions : 10

- (1) _____ is a opening in wall, primarily for the purpose of providing access.
- (2) Define Headroom in stairs.
- (3) Plastic doors are widely used in _____ areas.
- (4) Aldrop can be comfortably fixed in a single panel door.
(True/False)
- (5) _____ joint is used in the framing members of timber door shutter.
- (6) The two types of commonly used flush doors are _____ and _____ .
- (7) What is lengthening joint ?
- (8) 25 cms is a comfortable height of a riser for stair.
(True/False)
- (9) Define safety glass.
- (10) To conceal the joint of masonry and timber door frame, _____ is used.

- 2** Write short notes on following : (any **two**) **16**
- (1) Functional requirement of a staircase
 - (2) Artificial forms of timber
 - (3) Metal (M. S.) Door frames
- 3** Explain in details with neat sketches : **30**
- (1) Types of stairs based on geometry
 - (2) Conventional timber partition walls
- 4** Sketch neatly and label : (any six) : **24**
- (1) Detail of door frame for double spring hinge door
 - (2) Rebated rectangular stone steps
 - (3) Mortise and Tenon joint
 - (4) Any 3 framing joints in timber
 - (5) Timber and glass panel partition
 - (6) Enlarged detail of Meeting style of two leaf door in timber
 - (7) Various components of balustrade
- 5** Sketch a typical example of the following with labels and dimensions. Sketch enlarged details to explain the joinery : **20**
- (1) Typical dogleg staircase in plan and section labelling each component of the stair
 - (2) 3 shutter aluminium sliding window.
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