2003M992

Candidate's Seat No : _____

B.I.D. (Sem.-1) Examination
ID 102
Materials & Construction-1

Time : 3-00 Hours]   March 2019   [Max. Marks : 100

Instruction:
1. Assume suitable data if necessary.
2. Use separate answer book for each section.
3. Figures to the right indicate full marks.
4. Neat proportionate sketches are necessary to explain theories.

Q-1		Define the following giving suitable examples: (Any 4)	(20)
	(a)	Structure - Sub Structure and Super Structure	
	(b)	Load - Dead Load and Live Load	
	(c)	Load bearing Structure and Framed Structure	
	(d)	Engineered wood	
	(e)	Mortar	
Q-2		Sketch to scale – Each of 10 marks	(20)
	(a)	Sketch to scale king closure, queen closure half, bevelled bat-large, bull nose	
	(b)	Draw different types of purpose made bricks and explain their uses.	
Q-3		Draft to scale any one	(40)
	(a)	Draft to scale a detailed wall section of 230mm thick brick wall, showing all the substructure and super structure elements, neatly labelled for ground floor plus first floor structure, showing terrace parapet wall above first floor. The section must be cut through a door and window in the wall.	
		OR	
	(b)	Draft to scale, the plan, elevation and isometric view of Flemish bond masonry. (1bk-1bk L shaped wall)	
Q-4		Answer the following (Any 2)	(20)
	(a)	Differentiate between brick and stone as a building material.	
	(b)	Which are the different types engineered wood used in interiors? State the properties, uses and sizes of each.	
	(c)	Explain the different types of glass used in interiors? State the properties, uses and examples of each.	

2303M1013   Candidate's Seat No :_____

B.I.D. (Sem.-1) Examination
ID 104
TRD-1

Time : 3-00 Hours]   March 2019   [Max. Marks : 100

Instructions:
1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Section -A

Solve any 4 out of 6 questions - Each of 5 marks
(Write Briefly & Explain through Sketches)   [20 marks]

1. Drafting as a tool of representing drawings in interior design.
2. Draw surface development of a cube with length of 25mm in scale of 1:10.
3. Explain use of Line intensity?
4. Define point, line, plane and solid.
5. What is Difference between Drawing and Drafting?
6. Draw Hidden line and construction line of 1500mm in scale of 1:10?

Section: B

Draw /Sketch an Orthographic Projection   [20 marks]
1. Centre Table for Living Room with dimensions in mm.
       OR
2. A Stool with dimension in mm.

Section: C

Draft any 1 out of 3 with Dimensions: [60 marks]

1. By the Universal method for construction of polygon, draft an SEPTAGON with line segment AB of 500mm. (scale=1:10).

2. Draw Orthographic Projection of a cylinder of diameter of 40mm and height 40mm is placed on a regular hexagonal prism of height 20mm. Edge of regular hexagon is 60mm.

3. Draw the orthographic projection and surface development of the following:
       a. Pyramid: length=300mm width= 300mm height=600mm
       b. Cuboid: length=800mm width=600mm height=400mm