



SD-6108

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

May / June - 2011

Building Services & Equipments - I
(New Course)

Time : 2 Hours]

[Total Marks : 50

Instructions :

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. 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. - 2 (Sem - 3)"/>		<input type="text"/>	
Name of the Subject :		<input type="text"/>	
<input type="text" value="Building Services & Equipments - 1 (New)"/>		<input type="text"/>	
Subject Code No. : <input type="text" value="6"/> <input type="text" value="1"/> <input type="text" value="0"/> <input type="text" value="8"/>		Section No. (1, 2,...): <input type="text" value="Nil"/>	
		<input type="text" value="Student's Signature"/>	

- (2) Figures to the right indicate full marks.
(3) All answers to be attempted in one answersheet only.
(4) Draw neat sketches wherever necessary.

- 1 (a) Answer in brief : (any **five**) 10
(i) What is light ?
(ii) What is the difference between direct glare and reflected glare ?
(iii) Enlist the common materials used to make wire and give their suitability.
(iv) What is the use of fuse ?
(v) Enlist various lighting accessories with their basic function.
(vi) What is task lighting ?
(b) Explain following terms : (any **five**) 5
(i) Luminous flux. (ii) Ampere.
(iii) Electricity. (iv) Resistance.
(v) Generator. (vi) MCB.
(vii) Insulator.
- 2 Write short notes on : (any **two**) 10
(i) Significance of day lighting in space planning.
(ii) Different types of wires with their sizes and specific uses.
(iii) Single phase and three phase wiring system.
(iv) Generation and supply of electricity.
(v) Incandescent lamps.
- 3 Draw electrical layout for the plan given below showing. 25
(i) MB, MDB. 5
(ii) SB, Light points (wall and ceiling both), fan points, 10
plug points and equipments points.
(iii) Electric schedule. 10

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