



UG-6108

B. Arch. II (Sem. III) Examination

May/June - 2012

ARC-307 : Building Services & Equipments : I

Time : 2 Hours]

[Total Marks : 50

Instructions :

(1)

नीचे दशांशिक निशानीवाणी विगतो उत्तरवही पर अवश्य दायवी. Fillup strictly the details of signs on your answer book.		Seat No. :	
Name of the Examination :		<input type="text"/>	
B. Arch. II (Sem. III)		<input type="text"/>	
Name of the Subject :		<input type="text"/>	
ARC-307 : Building Services & Equipments : I		<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"/>
		Student's Signature	

- (2) Figures to the right indicate total marks.
- (3) All questions have to be attempted in one answer sheet only.
- (4) Support your answer with neat and clean sketches wherever necessary.
- (5) Attach this given plan with answer book.

- 1 (a) Explain the following terms. (any five) 5
 - (1) Watt
 - (2) Luminous flux
 - (3) Resistance
 - (4) Ohm
 - (5) MCB
 - (6) Glare
 - (7) Reflectance factor.
- (b) Explain in one or two lines. (any five) 10
 - (1) Use of fuses.
 - (2) What is a neutral phase ?
 - (3) What are the sources of light ?
 - (4) Explain earthing.
 - (5) What is a metal halide lamp ?
 - (6) What is task lighting ?

- 2** Write short notes on (any two). **10**
- (1) Explain the electricity distribution system from meter box to individual rooms.
 - (2) Different types of wires and their sizes with specific uses.
 - (3) Explain the difference between single phase and three phase wiring.
 - (4) Working principle and different types of incandescent lamps.
 - (5) Different types of lighting systems and considerations to select it.
- 3** Draw electrical layout for the plan given in the attached sheet showing : **25**
- (1) MB, MDB.
 - (2) SB, Light points (wall and ceiling both), fan points, plug points and equipments points.
 - (3) Electric schedule

Note : Attach this given plan with answer book.

