



**KD-6108**

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

**December - 2012**

**ARC-307 : Building Services & Equipments : I**

Time : 2 Hours]

[Total Marks : 50

**Instructions : (1)**

|  |                      |
|--|----------------------|
| नीचे दशांशों में निशानीवाणी विगतो उत्तरवडी पर अवश्य लखवी.<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. II (Sem. III)"/>  | <input type="text"/> |
| Name of the Subject :  | <input type="text"/> |
| <input type="text" value="ARC-307 : Building Services &amp; 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"/> | <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.
- (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).**

**(05)**

1. Electrostatics
2. Voltage
3. Reflectance Factor
4. Ampere
5. Lumen
6. L.E.D.
7. Light

**(b) Explain in One or two lines (Any Five)**

**(10)**

1. What is the difference between glare and brightness?
2. What is the difference between a solid wire and a stranded wire?
3. What is a fluorescent lamp?
4. Explain different types of conductors
5. What is the purpose of circuit breaker?
6. What is accent lighting?

**Q-2 Write short notes on (Any two)**

**(10)**

1. Transmission of electricity from its production to domestic use.
2. Compare daylight and artificial light.
3. What are the considerations for choosing the lighting system for a given space?
4. Explain A.C and D.c.
5. What is the difference between wires and cables?

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.

