

B.Arch. Eighth Semester (Old)
Architectural Illumination : 8 SA 7

P. Pages : 1

Time : Two Hours



AV - 3261

Max. Marks : 40

- Notes :
1. Answer **four** questions.
 2. Question No. **Seven** is compulsory.
 3. Diagrams and Chemicals equations should be given wherever necessary.
 4. Use of slide rule logarithmic tables, Steam tables, Moller's Chart, Drawing instrument, Thermodynamic table for moist air, Psychrometric Charts and Refrigeration charts is permitted.
 5. I.S.I. Hand book for structural Steel section, I.S. Code 800/1962 or 1964, I.S. 456 (Revised) I.S. 875 may be consulted.
 6. Use of D.A. Laws "Pocket Book for Mechanical Engineers" is permitted.

1. Describe with neat sketches the direct lighting and diffuse lighting. Explain characteristics of light. 10

OR

2. a) Explain incandescent lamps, Fluorescent lamps and Mercury lamps. 10
b) Explain cold cathode lamps and light emitting diodes?
3. a) What do you mean by light control and guarding? 10
b) What is light control and distribution?

OR

4. What is suspended lighting? Explain with sketches the conditions in which they are used? 10
5. Explain with sketches the type of Luminaires used in interior illumination? 10

OR

6. Explain the type of lighting design and method used for Board room & Cinema Theater? 10
7. Describe with neat sketches **any three** of the following. 10
a) Point-by-point method of lighting.
b) Scalar illumination.
c) Disability Glave.
d) Concealed lighting.
e) Cosine Law.
