

Register Number :

Name of the Candidate :

**5 4 2 2**

**B.Sc. DEGREE EXAMINATION, 2011**

(INTERIOR DESIGN)

(SECOND YEAR)

(PAPER - XXII)

**209. LIGHTING TECHNOLOGY AND  
APPLICATIONS**

( *Including Lateral Entry* )

December ]

[ Time : 3 Hours

Maximum : 60 Marks

**SECTION – A** ( 5 × 2 = 10 )

*Answer ALL questions.*

*ALL questions carry equal marks.*

*I. Fill in the blanks:*

1. Task lighting is otherwise known as \_\_\_\_\_ lighting.

**Turn Over**

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2. Chandeliers are examples of \_\_\_\_\_ lighting.
3. Artificial lighting created by heating a filament usually of tungsten to a temperature which it glows is \_\_\_\_\_ .
4. Luminaires are called \_\_\_\_\_ .
5. \_\_\_\_\_ is a window in a roof admitting natural light through reinforced glass or some other transparent material.

**SECTION – B** ( 4 × 5 = 20 )

*Answer any FOUR questions.*

*ALL questions carry equal marks.*

1. Briefly discuss the role of color in lighting the interiors.
2. Compare and contrast General lighting and Task lighting.
3. Comment on pendant lights and wall washers.
4. Explain the lighting scheme for bathroom and bedroom.
5. Suggest the suitable lighting scheme for outdoor and security lighting.

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6. Explain the following terms:

- (i) Dimmers.
- (ii) Luminaires.

**SECTION – C** ( 3 × 10 = 30 )

*Answer any THREE questions.*

*ALL questions carry equal marks.*

1. Write in detail about types of light.
2. Write an essay on light fixtures.
3. Explain the lighting schemes for restaurant and showroom.
4. Draw a simple electrical layout for a showroom.
5. Write detailed notes on :
  - (a) Uplighters.
  - (b) Wall lighters.
  - (c) Down lighters.
  - (d) Track lighting.
6. Draw any ten electrical symbols used in electrical plans.