

Register Number :

Name of the Candidate :

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B.Sc. DEGREE EXAMINATION, 2012

(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)

1. *Fill in the blanks :*

- (a) is the source of natural light.
- (b) lighting illuminates a particular area where a visual activity takes place.

Turn Over

- (c) are ceiling mounted fittings designed to cast light evenly across and down a wall.
- (d) Ambient lighting is otherwise known as
- (e) The commonly used filament in incandescent bulb is

SECTION - B (4 × 5 = 20)

2. Answer any *FOUR* questions.

- (a) Write a note on luminaries.
- (b) Write the differences between general and task lighting.
- (c) Comment on light fittings.
- (d) Suggest the lighting suitable for a living room and kitchen.
- (e) Give an account of uplighters and downlighters.
- (f) Explain the relationship of light with colour.

SECTION - C (3 × 10 = 30)

3. Answer any *THREE* of the following :

- (a) Explain in detail the sources of light.
- (b) Discuss the different types of light with suitable examples.
- (c) Explain in detail the lighting schemes for bathroom, bedroom and hallway.
- (d) Draw a simple electrical layout for a commercial building.
- (e) Write a detailed note on :
 - (i) Illumination.
 - (ii) Ballasts.
- (f) Write an essay on light fixtures.