

S.No. 3673

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(For candidates admitted from 2020–2021 batch)

B.Sc. DEGREE EXAMINATION, NOVEMBER 2023.

Part III — Allied

LIGHTING AND LIGHT FIXTURES

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20)

Answer ALL the Questions

1. What are the qualities of light?
2. Name the various sources of light.
3. Specify the salient features of Neon light.
4. Mention the properties of artificial light.
5. What is called as harmony in color?
6. Which color stimulates the emotions of a person?
7. Give the classifications of lighting control system.

8. Name some creative lighting accessories for living room.
9. How the lighting and lighting fixtures play an important role in interior design?
10. How will you plan lighting for a birthday celebration?

SECTION B — (5 × 5 = 25)

Answer ALL Questions, Choosing either (a) or (b)

11. (a) Differentiate illumination and brightness.
Or
(b) Specify the various factors to be considered to enhance the visual efficiency.
12. (a) Classify the types of task lighting and give its merits.
Or
(b) Explain the principles of lighting design process.
13. (a) Explain about the prang colour theory.
Or
(b) Describe the effects of colour on human behavior.

14. (a) Draw and explain with the measurements of free-standing lighting.
Or
(b) Discuss the benefits of using light fixture control system.
15. (a) Enumerate the important points to be considered for setting outdoor lighting.

Or

- (b) Elucidate the innovative concepts of lighting in interior.

SECTION C — (3 × 10 = 30)

Answer any THREE questions

16. Determine the requirements of lighting for hospital buildings.
17. What is glare? Give an outline on effects and causes of glare in artificial lighting systems.
18. Bring out the factors affecting the colour in lighting.
19. Write an account on the importance of lighting accessories.
20. Discuss the essential points to be noted while fixing lighting accessories in 1000 sq.ft house space.