

Roll No



**PRESIDENCY UNIVERSITY
BENGALURU**

**SCHOOL OF DESIGN
MID TERM EXAMINATION - OCT 2023**

Semester : Semester V - 2023

Course Code : DES2027

Course Name : Sem V - DES2027 - Building Services

Program : BDS

Date : 16-OCT-2023

Time : 9:30 AM - 11:00AM

Max Marks : 50

Weightage : 25%

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Question paper consists of 3 parts.
- (iii) Scientific and non-programmable calculator are permitted.
- (iv) Do not write any information on the question paper other than Roll Number.

PART A

ANSWER ALL THE QUESTIONS

(5 X 2 = 10M)

1. Mention any two major functions of METER BOARD in electrical system. (CO1) [Knowledge]
2. Describe the term CIRCUIT. (CO1) [Knowledge]
3. Explain the basic working principle and application of Task lighting. (CO1) [Knowledge]
4. List the advantages of Indirect lighting. (CO1) [Knowledge]
5. Define the term Luminaire with an example. (CO1) [Knowledge]

PART B

ANSWER ALL THE QUESTIONS

(2 X 10 = 20M)

6. What are the different types of light sources. Explain in detail with suitable example. (CO1, CO2) [Comprehension]
7. What is Direct Indirect delivery? Explain its working principle, any five Advantages and disadvantages with suitable example. Use necessary sketches. (CO2, CO1) [Comprehension]

PART C

ANSWER THE FOLLOWING QUESTION

(1 X 20 = 20M)

8. a) What role does lighting play in guiding visitors through museum exhibitions and creating a narrative or thematic experience?
b) How can lighting be used to highlight the texture and details of sculptures and three-dimensional artworks?

(CO2) [Application]