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**Semester:** 5 (2023-24)

**Course Code:** DES2027

PRESIDENCY UNIVERSITY BENGALURU

 SCHOOL OF DESIGN

**SUMMER TERM END-TERM EXAMINATION -AUGUST 2024**

**Date:**06-08-2024

**Time :** 9:30 AM - 12:30 PM

**Course Name:** Building Services

**Program:** B.Des.Space Design

# Max Marks: 100

**Weightage:** 50%

# Instructions:

1. *Read all questions carefully and answer accordingly.*
2. *Question paper consists of 3 parts.*
3. *Scientific and non-programmable calculator are permitted.*
4. *Do not write any information on the question paper other than Roll Number.*

**PART A**

 **ANSWER ALL THE QUESTIONS (4 X 5 = 20 M)**

1. What are the various types of lights and their applications? (CO1) [Knowledge]
2. Describe the term CIRCUIT and its applications. (CO1) [Knowledge]
3. Explain the basic working principle and application of :
4. Task lighting
5. Decorative lighting
6. Cove lighting
7. Transformer
8. Distribution board (CO1) [Knowledge]
9. List the advantages of Indirect lighting. What are various types of lights used in residential lighting?

 (CO1) [Knowledge]

1. Define the terms :
2. Luminaire
3. Distribution board
4. Conduits (CO1) [Knowledge]

 **PART B**

 **ANSWER ALL THE QUESTIONS (5 X 10 = 50 M)**

1. What are the various types of false ceiling and their applications

(CO1,CO2) [Comprehension]

1. What is voltage .Explain the differences between AC & DC currents
2. What is a divertor with respect to a bathroom .List out the various parameters that are to be considered while designing a washroom .
3. What is the importance of false ceiling ? Name the various stages inovlved to deign and execute a a false ceiling .
4. What are various symbols of electricity with illustrations.

(CO2, CO1) [Comprehension]

  **PART C**

 **ANSWER ALL THE QUESTIONS (2 X 15 = 30 M)**

1. Explain with detail illustrative details the step by step process of electricity distribution from generation to a residence.List the parameters to be considered in apartment electricity distribution.
2. List the various types of lighting fixtures and their applications.What are the main aspects that are to be considered while design illumination for a museum ?

 (CO2) [Application]