

Roll No.																			
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



**PRESIDENCY
UNIVERSITY**
BENGALURU

School of Design

Mid - Term Examinations - November 2024

Semester: V

Date: 04/11/2024

Course Code: DES2027

Time: 09.30am to 11.00am

Course Name: BUILDING SERVICES

Max Marks: 50

Program: B.DES (SPACE DESIGN)

Weightage: 25%

Instructions:

(i) Read all questions carefully and answer accordingly.

(ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2marks.

5Qx2M=10M

- | | | | | |
|---|--|---------|---------------|-----|
| 1 | What are the various components of a indoor AC | 2 Marks | Understanding | CO1 |
| 2 | List the various types of Air conditioning | 2 Marks | Understanding | CO1 |
| 3 | What do you understand by Hydel power | 2 Marks | Understanding | CO1 |
| 4 | Define Direct current with examples | 2 Marks | Understanding | CO1 |
| 5 | Name the various types of electricity generation | 2 Marks | Understanding | CO1 |

Part B

Answer ALL Questions. Each question carries 10 marks.

4QX10M=40M

- | | | | | |
|-----------|---|----------|---------------|-----|
| 6 | a. Describe the various sustainable ventilation system and their working. | 8 Marks | Understanding | CO2 |
| | b. With illustrative examples | 2 Marks | | CO2 |
| or | | | | |
| 7 | What are the various sustainable electrical generation processes | 10 Marks | Understanding | CO2 |

8	Explain the working and importance of HVAC system	10 Marks	Understanding	C01
or				
9	Explain the working principle of Hydel power with illustrative sketches	10 Marks	Understanding	C01
10	What are the advantages and disadvantages of Thermal power generation and Solar power	10 Marks	Understanding	C01
or				
11	a. What are the various types of HVAC systems	5 Marks	Understanding	C01
	b. Explain in detail the application of Trip / fuse	5 Marks	Understanding	C01
12	a. How is sustainable electricity generated and distributed from source to residences.	4 Marks	Understanding	C02
	b. What are the precautions that are to be followed during electrical execution for a residential villa	6 Marks	Understanding	C02
or				
13	a. Explain the characteristic features of Hydel power	6 Marks	Understanding	C02
	b. Explain the principles of transformer	4 Marks	Understanding	C02