

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 08

B.Arch. (Sem.-4)
CLIMATE & ARCHITECTURE-I
Subject Code : AR-230
Paper ID : [A0925]

Time : 3 Hrs.

Max. Marks : 50

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions.
2. All questions carry EQUAL marks.

UNIT-I

1. Write short notes on :
 - a) Various elements of climate.
 - b) Global climatic factors.
2. Write notes on :
 - a) Climatic Graph.
 - b) Psychometric chart.
 - c) Temperature ISopleth.

UNIT-II

3. Explain the Characteristics of Composite type of climate. What principles should be kept in mind while designing shelter in this climate?
4. Write notes on :
 - a) Differentiate between Macro/Micro climate.
 - b) Characteristics of Hot Dry Climate.

UNIT-III

5. Explain E.T and C.E.T their importance and characteristics with help of Nomogram.

UNIT-IV

6. Explain Horizontal, Vertical and composite shading device, their design and applications.

UNIT-V

7. Explain the Air Flow within buildings and what factors does it depend.

UNIT-VI

8. Explain Passive techniques for Solar and Climate control in buildings in North India.

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