

(Following Paper ID and Roll No. to be filled in your
Answer Books)

Paper ID : 181409

Roll No.

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B. Arch.

Theory Examination (Semester-IV) 2015-16

CLIMATOLOGY

Time : 3 Hours

Max. Marks : 100

Note : 1. Answer any five questions. 20×5=100

2. All questions carry equal marks.

1. Write short notes on any three of the following:

- a) Day light factor.
- b) Solar radiation.
- c) Humidity and contrast.
- d) Psychometric chart.
- e) Thermal comfort.
- f) Climatic zones.

2. Mention the classification of tropical climate and describe typical characteristics of HOT and DRY climate.
3. Define Micro climate and discuss factors that are responsible in creations of a specific site climate, which is different from the regional climate.
4. Explain as how human comfort is affected by air movement. Describe air movement pattern inside the building.
5. The solar chart helps in understanding sun's position and its incident angles in relation to the building. Discuss the impact of the same for the design of the building envelope.
6. Discuss the importance of orientation of buildings in relation to sun and wind.

