

Printed Pages : 2



NAR-309

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

PAPER ID : 181320

Roll No.

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B. Arch.(SEM. III) (ODD SEM.) THEORY
EXAMINATION, 2014-15**CLIMATOLOGY**

Time : 3 Hours]

[Total Marks : 25

- Notes :** (1) Q. 1 is compulsory.
(2) Attempt four questions in all.
(3) Enumerate your answer with neat sketches.

- 1** Write short notes on any **four** of the following : **10**
- Effect of winds on the climate at a global scale.
 - Prevalent thermal models and indices and the suitability of one over the other.
 - Solar azimuth, solar altitude and angle of incidence with respect to sun.
 - Urban heat island and temperature inversion.
 - Effective temperature isopleths.
 - Glare and visual comfort with influence of Daylight factor.

- 2 Define tropical climates. Also classify various types of tropical climates with a detailed description of any one type, its characteristics explaining the type of shelter required for its type. 5
 - 3 Describe in detail the factors affecting climate on a global scale. 5
 - 4 What do you understand by orientation ? Explain in detail the factors influencing orientation of built form with respect to sun and wind. 5
 - 5 What do you understand by ventilation and air movement around a building. Also enumerate the factors affecting indoor air flow of a built form. 5
 - 6 What do you understand by Human. Thermal comfort, Explain in detail the thermal balance of human body and subjective variables affecting it. 5
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