

AR-1883

Faculty of Engineering & Technology

B. Arch. (Architectural Engg.) Third Semester (C.G.S.) Examination

APPLIED CLIMATOLOGY-I

(10022)

Paper—03 AR 04

Time : Three Hours]

[Maximum Marks : 80

INSTRUCTIONS TO CANDIDATES

- (1) All questions carry equal marks.
 - (2) Question No. 1 is compulsory.
 - (3) Due credit will be given to neatness and adequate dimensions.
 - (4) Assume suitable data wherever necessary.
 - (5) Illustrate your answers wherever necessary with the help of neat sketches.
 - (6) Use pen of Blue/Black ink/refill only for writing the answer book.
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1. Explain with sketches the types of climatic factors and its importance to generate comfortable living environment. 20
 2. (a) Explain the Earth-Sun relationship and its impact on Earth Surface. 12
(b) Explain with sketches the tropical regions on Earth Surfaces. 8
- OR**
3. (a) Explain with sketches the Global Trade Wind patterns and its impact. 10
(b) Explain with diagram the Thermal Balance of Earth and its importance. 10

4. Explain with sketches the types of climatic elements with data collection. 20

OR

5. (a) Explain with diagram the importance of psychrometric charts and its use. 10
(b) Explain with diagram the graphical presentation of climatic data. 10
6. (a) Explain with sketches the importance of thermal balance of body. 12
(b) Explain the importance of Vegetation. 8

OR

7. (a) Explain with sketches the Hot and Dry climate and its characteristics. 10
(b) Explain with sketches the Warm and Humid climate and its characteristics. 10