

22602

Roll No. _____

Total No of Pages: **2**

22602

B. Arch. II Sem. (Main) Exam., May 2019

Architecture

2AR2 Climatology

Time: 3 Hours

Maximum Marks: 80

Min Passing Marks: 24

Instructions to Candidates:

*Attempt any **five** questions, selecting **one** question from **each** unit. All questions carry **equal** marks. Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly.*

Units of quantities used/calculated must be stated clearly.

Use of following supporting material is permitted during examination. (Mentioned in form No. 205)

1. NIL

2. NIL

UNIT- I

Q.1 Discuss the importance of climate in the field of architecture. [16]

OR

Q.1 Write brief notes on any two:- [8+8=16]

- (i) Micro climate
- (ii) Types of shading devices
- (iii) Atmospheric humidity

UNIT- II

Q.2 Describe the salient characteristics of Tropical Desert or Tropical Rainforest (Equatorial) climate. [16]

OR

Q.2 Discuss the objectives and elements of climatological site analysis. [4+12=16]

UNIT- III

Q.3 Which factors determine thermal comfort? Discuss some thermal comfort indices. [8+8=16]

OR

Q.3 What do you understand by thermal behaviour of buildings? Discuss thermal behaviour of different building materials. [4+12=16]

UNIT- IV

Q.4 Explain the meaning, importance and strategies for provision of daylight in the buildings. [3+3+10=16]

OR

Q.4 Discuss various functions and types of ventilation. [6+10=16]

UNIT- V

Q.5 Explain some simple passive techniques of thermal control in building structures. [16]

OR

Q.5 Describe, giving examples, passive environmental control mechanisms in traditional built environments. [16]

http://www.mgsuonline.com

Whatsapp @ 9300930012

Your old paper & get 10/-

पुराने पेपर्स भेजे और 10 रुपये पायें,

Paytm or Google Pay से