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Third Semester B. Arch Degree Examination, Dec.2016/Jan.2017
Climatology

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions.

- 1 a. What is site climate? Write in detail factors causing local deviation. (10 Marks)
b. Explain elements of climate. (10 Marks)
- 2 List major climatic zones in India and describe the salient characteristics of any one zone in details. (20 Marks)
- 3 Write a note on the body's heat loss and regulatory mechanisms with neat sketches. (20 Marks)
- 4 What do you mean by stack effect :
a. Explain with neat sketches. (10 Marks)
b. Air flow around a building. (10 Marks)
- 5 Write a note on :
a. Daylight factor concept.
b. Effect of opening in a building with neat sketches. (20 Marks)
- 6 Design consideration for hot and dry climate. Write in detail with neat sketches. (20 Marks)
- 7 Explain time-lag and decrement factor. (20 Marks)
- 8 Write a note on shading devices. (20 Marks)

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Important Note: 1. On completing your answers, separately draw diagonal cross lines at the remaining blank page.
2. Any revealing of identification, appeal to evaluator and/or equations written eg, 42+8 = 50, will be treated as malpractice.