

### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Explain the causes and effects of air pollution.
- Q.24 Explain internal and external sun protection devices.
- Q.25 Briefly explain any four elements of climate.

No. of Printed Pages : 4

220233

Roll No. ....

### 3rd Sem / Architectural Assistantship

#### Subject : Climatology

Time : 3 Hrs.

M.M. : 60

### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Which of the following is NOT a form of precipitation?
- a) Snowfall                      b) Hail
- c) Fog                              d) Rainfall
- Q.2 Which out of the following is a natural element of landscape?
- a) Highways                      b) Trees
- c) Buildings                      d) Light Pole
- Q.3 Out of the following, Haryana falls under which climatic zone?
- a) Cold                              b) Hot and dry
- c) Composite                      d) Temperate

- Q.4 Macro-climate refers to:
- a) Tropical Climate
  - b) The tropical climate where micro-organisms grow fast
  - c) Climate created for small areas
  - d) Climate created for large areas
- Q.5 The state of the atmosphere at a particular time and place is called as?
- a) Climate                      b) Weather
  - c) Atmosphere                d) Humidity
- Q.6 Which instruments is used to measure humidity?
- a) Pyranometer                b) Hygrometer
  - c) Total station               d) Anemometer

### SECTION-B

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Define humidity.
- Q.8 What is climate change?
- Q.9 Define bioclimatic chart.
- Q.10 What is the importance of ozone layer?

- Q.11 Define passive cooling.
- Q.12 What is equator?

### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 What is an insulating material? Write any two insulating materials.
- Q.14 Name the five major climatic zones of India. Explain any one.
- Q.15 Explain evolution of climatic seasons.
- Q.16 Describe solar chart with diagram.
- Q.17 Explain how landscape elements can be used for micro-climate control.
- Q.18 Explain the relationship between climate and comfort.
- Q.19 Name two building materials and their uses with respect to climate.
- Q.20 Explain any two sun protection devices.
- Q.21 Explain the concept of building orientation with respect to wind.
- Q.22 Write a note on microclimate.