

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.

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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.