

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 Climate of a small area is called
a) Climate b) Micro climate
c) Macro climate d) Meso climate
- Q.2 The amount of moisture present in the air is called
a) Temperature b) evaporation
c) humidity d) precipitation
- Q.3 louvers are
a) sun shading device
b) wind protection device
c) Dust protection device
d) all of the above
- Q.4 Which of the following is the name of climate zone ?
a) Hot & humid zone b) Cold & sunny zone
c) Hot & dry zone d) all of the above

Q.5 Combination of horizontal louvers with vertical louvers is known as _____.

- a) Overhang
- b) clerestory
- c) egg-crate
- d) screen

Q.6 What is the main driver of earth's climate

- a) Solar radiations
- b) tectonic plates
- c) Moon
- d) Human activity

SECTION-B

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

Q.7 Define temperature.

Q.8 Define season.

Q.9 Define macro climate.

Q.10 Define air pollution.

Q.11 Define ecosystem.

Q.12 Define natural light.

SECTION-C

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

Q.13 Write short note on "Hot and Dry climate".

Q.14 Explain sun-path diagram.

Q.15 Write notes on 'Ecology'.

Q.16 Explain the building orientation with respect to sun.

Q.17 Explain Bio-climatic chart.

Q.18 Write the differences between horizontal louvers and vertical louvers.

Q.19 Write about sun protection devices in detail.

Q.20 What do you understand by climate change.

Q.21 Define various elements of climate

Q.22 Describe Global warming.

SECTION-D

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

Q.23 Explain in detail sources and harmful effects of noise pollution.

Q.24 Describe passive solar heating and cooling system in detail.

Q.25 Mention various building materials and their use with respect to climate.