

- Q.26 Explain the meaning of Conservation of Energy.
- Q.27 Describe Global Warming.
- Q.28 Explain the orientation with respect to wind.
- Q.29 Explain the use of vegetation as landscape.
- Q.30 Explain the effect of climate on man and shelter.
- Q.31 Explain the vertical louvers with the help of sketches.
- Q.32 Write the characteristics of concrete and brick.
- Q.33 What do you mean by Cyclonic rainfall?
- Q.34 Explain free circulation.
- Q.35 Explain the importance of Ozone layer around earth.

#### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain the causes and effects of noise pollution. How it can be controlled.
- Q.37 Write down basic elements and objectives of Ecology.
- Q.38 Define orientation of a building and write the various factors which affects the orientation of building.

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### 3rd Sem / Arch Subject:- Climatology

Time : 3Hrs.

M.M. : 100

#### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 The sun is the source of \_\_\_\_\_ light.
- a) natural                      b) artificial
- c) sky                          d) none of these
- Q.2 The earth moves around the \_\_\_\_\_.
- a) sun                          b) moon
- c) star                          d) none of these
- Q.3 Which is the best way to control noise pollution among the four fundamental ways?
- a) reduce noise at the source
- b) block the path of noise
- c) increase the path length
- d) Protects the recipient
- Q.4 UV stands for \_\_\_\_\_.
- a) ultra violets rays      b) gamma rays
- c) beta rays                  d) none of these

- Q.5 Which of the sound is pleasant to our ears?
- a) heavy machinery
  - b) loud noise
  - c) transportation equipment
  - d) music
- Q.6 The shape of trees in coniferous forests is \_\_\_\_\_
- a) round                              b) oval
  - c) vase                                d) conical
- Q.7 The kind of winds that blows through the year frequently is classified as \_\_\_\_\_
- a) mari time                        b) continental
  - c) conventional                    d) prevailing winds
- Q.8 The trees that do not shed their leaves are \_\_\_\_\_
- a) coniferous trees                b) deciduous trees
  - c) evergreen trees                d) none of these
- Q.9 Wide variety of living things is called \_\_\_\_\_
- a) biodiversity                    b) habitat
  - c) ecology                         d) none of these
- Q.10 The layer of air which surrounds the earth is \_\_\_\_\_
- a) atmosphere                    b) weather
  - c) climate                         d) none of these

## SECTION-B

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Name two sources of air pollution.
- Q.12 Name two cooling system.
- Q.13 Define Ecology.
- Q.14 Define Weather.
- Q.15 Name any two evergreen trees.
- Q.16 Define Bio Sphere.
- Q.17 Name two Wind Protection Devices.
- Q.18 Define Temperature.
- Q.19 Define Climatology.
- Q.20 Name any two basic elements of Ecology

## SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 How many pollutions are there? Write in detail about any one.
- Q.22 Differentiate between Macro and Micro Climate.
- Q.23 Describe Hot and Humid Climate.
- Q.24 Explain the Movement of Earth around the Sun.
- Q.25 Explain various Shading Devices.