

MA / M.Sc. GEOGRAPHY
FIRST SEMESTER
ENVIRONMENT & ECOLOGY
MGE – 104 IDMn
[USE OMR SHEET FOR OBJECTIVE PART]

**SET
B**

Duration : 1.30 hrs.

Full Marks : 35

(Objective)

Time: 15 min.

Marks: 10

Choose the correct answer from the following:

1X10=10

- Which one of the following naturally occurring greenhouse gases cause the highest percentage of greenhouse effect?
a. Carbon dioxide
b. Methane
c. Ozone
d. Water vapour
- The concept of greenhouse gases was postulated by
a. C.C. Park
b. J.N.N. Jaffers
c. Joseph Fourier
d. L. Zobler
- Biosphere reserves are areas to preserve
a. Grassland
b. Agricultural produce
c. Atmospheric balance
d. Genetic diversity
- The concept of carbon credit originated from which one of the following?
a. Kyoto protocol
b. Earth summit
c. Doha round
d. Montreal Protocol
- Which one of the following is important strategy for the conservation of biodiversity?
a. Biosphere Reserves
b. Botanical Gardens
c. National Parks
d. Wild Life Sanctuaries
- Which one of the following is the most stable ecosystem?
a. Desert
b. Mountain
c. Ocean
d. Forest
- The cycling of elements in an ecosystem is called
a. chemical cycles
b. biogeochemical cycles
c. geological cycles
d. geochemical cycles
- The transitional zone between two distinct communities is known as
a. Ecotype
b. Ecade
c. Ecosphere
d. Ecotone

9. Which one of the following is the best source of generating electricity in India from the viewpoint of sustainable development ?
- a. Coal
 - b. Mineral oil and gas
 - c. Hydro electricity
 - d. Atomic energy
10. Upper part of sea/aquatic ecosystem contains
- a. plankton
 - b. nekton
 - c. plankton and nekton
 - d. benthos.

(Descriptive)

Time : 1 hr. 15 mins.

Marks : 25

[Answer question no.1 & any two (2) from the rest]

1. Discuss the relationship between population, resources and environment. 5
2. Discuss the meaning and concept of Ecosystem. Mention the types and components of ecosystem. 3+7=10
3. What is air pollution? Discuss the causes of air pollution. 2+8=10
4. Write short notes on: (Any two) 5x2=10
 - a. Principles of ecology
 - b. Sustainable Development
 - c. Food chain
5. Define biodiversity? Discuss the conservation and threats of biodiversity. 2+4+4
=10

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