

**MA/M.Sc. GEOGRAPHY
FIRST SEMESTER
ENVIRONMENT AND ECOLOGY
MGE-104 IDMN**

**SET
A**

[USE OMR FOR OBJECTIVE PART]

Duration: 1.30 hrs.

Full Marks: 35

Time: 15 min.

(Objective)

Marks: 10

Choose the correct answer from the following:

1X10=10

1. What is an ecosystem?
 - a. A group of similar organisms
 - b. A community of living organisms interacting with their environment
 - c. A type of biome
 - d. A population of one species
2. Which of the following is a biotic component of an ecosystem?
 - a. Water
 - b. Soil
 - c. Trees
 - d. Sunlight
3. What is biodiversity?
 - a. The variety of life in a particular ecosystem
 - b. The total number of organisms
 - c. The genetic variability of one species
 - d. The number of ecosystems in an area
4. Biosphere reserves are being threatened with
 - a. Rainfall
 - b. Soil Erosion
 - c. Pollution
 - d. Population Rate
5. The term biodiversity was coined by
 - a. R.F. Dasmann
 - b. Arnies Naess
 - c. FE. Clements
 - d. Norman Myers
6. Which of the following is considered a renewable resource?
 - a. Coal
 - b. Oil
 - c. Solar energy
 - d. Natural gas
7. What is the term for the maximum number of individuals of a particular species that an environment can sustainably support?
 - a. Birth Rate
 - b. Carrying Capacity
 - c. Population Density
 - d. Fertility Rate
8. Which of the following is the primary factor contributing to population growth in developing countries?
 - a. Decreased mortality rates
 - b. Increased birth rates
 - c. Migration
 - d. Improved education

9. Which age group represents the largest segment of the world's population as of 2023?
- a. 0-14 years
 - b. 15-24 years
 - c. 25-54 years
 - d. 55 years and older
10. What term describes resources that are limited in supply and cannot be replenished within a human lifespan?
- a. Renewable resources
 - b. Non-renewable resources
 - c. Sustainable resources
 - d. Infinite resources

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(Descriptive)

Time : 1 hrs. 15 min.

Marks : 25

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

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|---|----------|
| 1. Write a note on Biosphere. | 5 |
| 2. Explain the relationship among population, resources and environment. | 10 |
| 3. What is biodiversity? Write steps for conservation of Biodiversity. | 2+4+4=10 |
| 4. Discuss on Environmental problems and their management of air pollution. | 5+5=10 |
| 5. Define ecology. Explain the components of ecosystem. | 3+7=10 |

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