

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

**SET
A**

[USE OMR FOR OBJECTIVE PART]

Duration: 1.30 hrs.

Full Marks: 35

Time: 15 min.

(Objective)

Marks: 10

1X10=10

Choose the correct answer from the following:

1. The study of biosphere is called
 - a. Ecological Niche
 - b. Biogeography
 - c. Ecology
 - d. Ecosystem
2. Red data books give an account of
 - a. Endangered plant only
 - b. Extinct animals only
 - c. Fossil plant
 - d. Endangered plants and animals
3. 'IUCN' stands for
 - a. International Unity on Community and Nationality
 - b. Inter-state Unity of Culture Nature
 - c. International Union for the Conservation of Nature and Natural Resources
 - d. Indian Union Congress Nation
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 statements is true about the Air Quality Index?
 - a. It indicates the colour of the air
 - b. It predicts ozone levels in your area
 - c. It determines the intensity of sound and sound pollution
 - d. It estimates air pollution mainly sulphur content in the air.
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. Which of the following is considered a renewable resource?
- a. Coal
 - b. Oil
 - c. Solar energy
 - d. Natural gas

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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 and water pollution. | 5+5=10 |
| 5. Write in details on Sustainable development. | 10 |

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