

MA GEOGRAPHY
First Semester
ENVIRONMENT AND ECOLOGY
(MGE - 103)

Duration: 3Hrs.

Full Marks: 70

Part-A (Objective) =20
Part-B (Descriptive) =50

(PART-B: Descriptive)

Duration: 2 hrs. 40 mins.

Marks: 50

Answer any four from Question no. 2 to 8
Question no. 1 is compulsory.

1. Define ecology and ecosystem. Describe the components of ecosystem. (3+3+4=10)
2. Narrate the relationships between population, resources and environment with suitable example. (10)
3. What is desertification? Mention the causes and remedies of desertification. (2+4+4=10)
4. What do you mean by biodiversity? Describe the importance of conservation of biodiversity. (4+6=10)
5. Discuss the concept of sustainable development in environmental management. (10)
6. What do you mean by environmental problems? Describe the remedial measures of environmental problems. (5+5=10)
7. What do mean by Biomes? Describe the different types of biomes. (3+7=10)
8. Write a short note on: (*any two*) (5×2=10)
 - A. Food chain
 - B. Hydrological cycle
 - C. Modifiers of ecosystem
 - D. Elephant corridor

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Duration: 20 minutes

Marks – 20

(PART A - Objective Type)

I. Choose the correct answer:

1×20=20

1. Which one of the following is a site for *ex situ* method of biodiversity conservation?
A. Biosphere reserve B. Botanical garden
C. National park D. Wildlife sanctuary
2. Who first used the term 'biodiversity'?
A. Ramond F. Dasmann B. Thomas Loverjoy
C. E. O. Wilson D. W. G. Rosen
3. Who first used the term 'Hotspot'?
A. Ramond F. Dasmann B. A. G. Taylor
C. J. T. Hack D. Dr. Sabina Virk
4. **Assertion (A):** Crop rotation helps in pest control.
Reason (R): Crop rotation helps maintaining soil fertility.
A. Both **A** and **R** are true and **R** explains **A**
B. Both **A** and **R** are true but **R** does not explain **A**
C. **A** is true but **R** is false
D. **A** is false but **R** is true
5. "Earth has everything to meet human needs but not its greed" who said this
A. A. P. J. Abdul Kalam B. Mahatma Gandhi
C. Ackerman D. George Washington
6. Biosphere is a right composition of
A. Lithosphere, atmosphere and hydrosphere
B. Lithosphere, atmosphere and troposphere
C. Lithosphere, stratosphere and hydrosphere
D. Ionosphere, atmosphere and hydrosphere
7. World environment day observed on
A. 5th May B. 5th June C. 6th May D. 6th June
8. Balancing the need to use resources and also conserve them for the future is called
A. Sustainable Development B. Resource Conservation
C. Resource Development D. Human Resource Development

9. The resources can be conserved by:

- A. Reducing Consumption
- B. Recycling
- C. Reusing
- D. All of the above

10. The thin layer of grainy substance covering the surface of the earth is called

- A. Soil
- B. Sand
- C. Mineral
- D. Organic Matter

11. The following is (are) not a factor(s) of soil formation

- A. Organic matter
- B. Time
- C. Soil texture
- D. All of the above

12. _____ of stratosphere provides protection to our life.

- A. Nitrogen
- B. Hydrogen
- C. Ozone
- D. Argon

13. Global warming shall lead to inundation of coastal towns and low lying areas.

- A. True
- B. False
- C. Partially true
- D. Partially false

14. The soil is polluted by urban waste, may be biodegradable and non-degradable.

- A. False
- B. Partially true
- C. True
- D. Partially false

15. What do you mean by conservation?

- A. Paper use of natural resources
- B. Protection and management of natural resources
- C. Both (a) and (b)
- D. None of these

16. UNFCCC stands for:

- A. United Nations Framework Convention on Climate Change
- B. United Nations Framework Convention on Climatic Condition
- C. United Nations Foundation Conservation on Change Climate
- D. United Nations Framework Conservation on Climate Change

17. IPCC stands for:

- A. International governmental Panel for Climate Change
- B. Inter-governmental Panel for Climate Change
- C. Indian governmental Panel for Climate Change
- D. None of these

18. SCOPE stands for:

- A. Scientific Committee on Pollution of the Environment
- B. Society and Committee on Problems of the Environment
- C. Scientific Committee on Problems of the Environment
- D. None of these

19. UNEP stands for:

- A. United Nations Environment Programme
- B. United Nations Ecology Programme
- C. United Nations Environment Problem
- D. United Nations Economic Programme

20. NAPCC stands for:

- A. National Activity Plan on Climate Conservation
- B. National Action Programme on Climate Conservation
- C. National Action Plan on Climate Conservation
- D. National Action Plan on Climate Change
