

MA GEOGRAPHY
First Semester
Environment and Ecology
(MGE - 03)

Duration: 3Hrs.

Full Marks: 70

Part-A (Objective) =20

Part-B (Descriptive)=50

(PART-B: Descriptive)

Duration: 2 hrs. 40 mins.

Marks: 50

1. Write short notes on (any *five*):

2 × 5 =10

- (a) Ecology
- (b) Ecosystem
- (c) Mangroves
- (d) Food chain
- (e) Soil
- (f) Disaster
- (g) Biodiversity

2. Answer the following questions (any *five*):

3 × 5 =15

- (a) Explain about soil profile. Give diagram in support.
- (b) What is sustainable development?
- (c) Mention about some steps to control desertification.
- (d) Prepare a note on Tsunami with proper diagram.
- (e) Discuss about soil forming factors.
- (f) What is environmental monitoring?
- (g) Meaning of Biogeography.

3. Answer the following questions in details (any *five*):

5 × 5 =25

- (a) Write about man's impact on environment, natural hazards and ecosystem.
- (b) Write a note on ozone depletion.
- (c) Prepare a note on coastal ecosystem.
- (d) Write about the scope of biogeography.
- (e) Prepare a note on environmental management.
- (f) What are the bio-geochemical cycles? Explain any two.
- (g) Prepare a note on forest ecosystem.

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(The figures in the margin indicate full marks for the questions)

Duration: 20 minutes

Marks – 20

PART A- Objective Type

I. Choose the correct option from the following:

1×20=20

1. The earth's shape most closely resembles-
 - A. A basketball
 - B. A pear
 - C. A ping-pong ball
 - D. An apple
2. 'Eco mark' is given to the Indian products that are-
 - A. Pure and unadulterated
 - B. Rich in proteins
 - C. Environment friendly
 - D. Economically viable
3. One nautical mile is equal to-
 - A. 1.5 km
 - B. 1.85 km
 - C. 2.0 km
 - D. 2.5 km
4. Climate is the average weather condition for-
 - A. 60 years
 - B. 30 years
 - C. 100 years
 - D. 10 years
5. Best use of resource without abuse is called –
 - A. Conservation
 - B. Storage
 - C. Deposition
 - D. Optimum use

6. The study of relationship and interaction between the man and his environment is called-
- Human Geography
 - Anthropogeography
 - Both (i) and (ii)
 - None of them
7. India's good rainfall areas (100 cm and above) are located at the-
- Eastern region
 - Western region
 - East-central region
 - West-central region
8. Desert soil of India is –
- Rich in mineral contents
 - Poor in mineral contents
 - Sandy
 - Loamy
9. Chipko movement and Sunderlal Bahuguna is associated with –
- Prevention of accidents on road
 - Maintaining the environmental purity in big cities
 - Felling of green trees
 - VAT and rising prices
10. India now has _____ numbers of wildlife sanctuaries.
- 100
 - 250
 - 445
 - 448
11. The problem 'Desertification' is acute particularly in Africa, because-
- It has 37% of the world's arid zones.
 - About 66% of its land is either desert or dry lands.
 - It is surrounded by Atlantic and Indian oceans.
 - None of the above.
12. Causes of coastal pollution-
- Population growth
 - Urbanisation
 - Industrialisation
 - All of them
13. Mangroves are commonly found throughout the world between latitudes-
- 32°N and 38°S
 - 30°N and 40°S
 - 34°N and 38°S
 - None of them
14. Mangroves are important because of its –
- Ecological values
 - Community values
 - Economic values
 - All of them

15. Cyclones form when there is a combination of –
- A. Warm tropical water (above 26.5°C), high relative humidity and low precipitation.
 - B. Warm tropical water (above 30°C), high relative humidity and increased precipitation.
 - C. Warm tropical water (above 26.5°C), high relative humidity and increased precipitation.
 - D. None of the above.
16. Cyclone's clouds rotate because of-
- A. Earth's rotation
 - B. Earth's spinning on its axis
 - C. Both 'a' and 'b'
 - D. None of them
17. Coastal systems are highly _____ systems
- A. Static
 - B. Dynamic
 - C. Artificial
 - D. Natural
18. Which one of the following is not a step towards conservation and management of bio-ecosystem?
- A. Social forestry
 - B. National parks
 - C. Hydroelectric projects
 - D. Wildlife sanctuaries
19. Exfoliation is a type of –
- A. Chemical weathering
 - B. Mechanical weathering
 - C. Carbonation
 - D. None of the above
20. Which one of the following is not a food chain?
- A. Grass-Goat-Lion
 - B. Grass-Frog-Snake
 - C. Grass-Sheep-Man
 - D. Grass-Snake-Deer
