

17MBIC20 ENVIRONMENTAL SCIENCE AND DISASTER MANAGEMENT (Self Study)

PART A

Choose the correct answer

10x1/2=5

1. Which of the following statements are true about renewable resources

1. Have the capacity to renew
 2. Example: clean air and water
 3. Have the capacity to non-renew
 4. Example: Minerals
- a) 1 and 2 b) 3 and 4 c) 2 and 3 d) 1 and 4

2. Consider the following statements

Assertion (A): Forests are one of the most important resources of the world.

Reason (R): Reducing global warming

- a) A is true, but R is false
- b) A is false, but R is true
- c) Both A and R are true, R is the correct explanation for A
- d) Both A and R are true, R is not the correct explanation for A

3. Consider the following statements

Assertion (A): The food chains are of two types, namely Grazing food chain and Detritus food chain

Reason (R): Food chain starts from plants, goes through herbivores and ends in carnivores.

- a) A is true, but R is false
- b) A is false, but R is true
- c) Both A and R are true, R is not the correct explanation for A
- d) Both A and R are true, R is the correct explanation for A

4. The following are the values of Biodiversity

- a) Consumptive use value
- b) Productive use values
- c) Recycling
- d) a and b

5. The killing prohibited endangered animals are called

- a) Poaching
- b) Hunting
- c) Harvesting
- d) Destroying

6. Biodiversity is the abbreviated word for

- a) Biochemical Diversity
- b) Biological diversity
- c) Bio-valuable diversity
- d) Biotechnical Diversity

7. Catastrophic event where a block of earthen mass slides downhill

- a) Earthquake
- b) Floods
- c) Cyclone
- d) Landslides

8. Any form of precipitation with acidic components, such as sulfuric or nitric acid that fall to the ground

- a) Acid rain
- b) Rainfall
- c) Frontal rainfall
- d) Convictional rainfall

9. HIV stands for

- a) Human Immune-deficiency Virus
- b) Human Immune Virus
- c) Human Inflammatory Virus
- d) Hormone inducing virus

10. Increase in the number of individuals in a population

- a) Growth
- b) Population growth
- c) Population explosion
- d) Global population

PART-B

Answer the following

5x4=20

Answer should not exceed 200 words or one page

11 a. Give a note on equitable use of resources for sustainable life styles

Or

b. Explain the ethical basis of environment education and awareness

12 a. Explain in detail about structure and function of ecosystem

Or

b. Write a note on solid waste management

13 a. What are the major threats to biodiversity? Explain.

Or

b. Write short notes on Biogeographical classification of India

14 a. Discuss ozone layer depletion

Or

b. Give a detailed note on global warming

15 a. Write objectives and guideline of EP Act.

Or

b. List out the environmental issues faced at the global level

PART-C

Answer the following

5x7=35

Answer should not exceed 600 words or three pages

16 a. Explain in detail about values of biodiversity

Or

b. Discuss on natural resources and associated problems

17 a. Elaborate the causes, effects and control measures of air pollution

Or

b. Explain in detail about the causes, effects and control measures of water pollution

18 a. Discuss in detail on endangered and endemic species of India

Or

b. Give a detailed account on *In-situ* and *Ex-situ* conservation of biodiversity

19 a. Write an account on floods and earthquake

Or

b. Discuss in brief the phases of disaster management

20 a. Discuss in detail about women and child welfare

Or

b. Explain the role of information technology in environment and human health