



Department of Electronics and Communication Engineering

GE8291 - Environmental Science and Engineering

Unit I - MCQ Bank

1. The objective of Environment studies is

- a. Raise consciousness about environment conditions
- b. To teach environmentally appropriate behaviour
- c. Create an environmental ethic sensitive society

d. All of the above

Answer: (d)

2. Which of the following is not influenced by human activities?

- a. Destruction of mangroves and wetlands
- b. Depletion of ground water
- c. Increased extinction rate of species

d. None of the above

Answer: (d)

3. The species restricted to be present in one region are called

- a. Edge species
- b. Endemic species**
- c. Endangered species
- d. Keystone species

Answer: (b)

4. Biosphere is

- a. The solid shell of inorganic materials on the surface of the earth
- b. The thin shell of organic matter on the surface of the earth comprising of all the living things**
- c. The sphere which occupies the maximum volume of all the spheres
- d. All the above

Answer: (b)

5. Atmosphere consists of 79 percent Nitrogen and 21 percent Oxygen by

- a. Volume
- b. Weight**
- c. Density
- d. All of these

Answer: (b)

6. The word 'Environment' is derived from

- a. Greek
- b. French**
- c. Spanish
- d. English

Answer: (b)

7. Which among the following is a climatic factor?

- a. pressure
- b. humidity
- c. temperature
- d. all of the above**

Answer: (d)

8. Which of the following are major environmental issues involved in mining?

- a. air pollution
- b. water pollution
- c. soil degradation
- d. all of the above**

Answer: (d)

9. Sustainable development means

- a. meeting present needs without compromising on future needs
- b. progress of human beings
- c. balance between human needs and the ability of earth to provide the resources**
- d. all of the above

Answer: (c)

10. A herbivore is also known as a

- a. Producer

- b. First order consumer**
- c. Second order consumer.
- d. Third order consumer

Answer: (b)

11. A product of photosynthesis is

- a. Carbon dioxide
- b. Water
- c. Oxygen**
- d. Chlorophyll

Answer: (c)

12. Primary source of energy in a food web is/are

- a. Green plants
- b. Sun**
- c. Inorganic nutrients
- d. Animals

Answer: (b)

13. A group of living organisms of the same kind living in the same place and at the same time refers to a

- a. Community
- b. Species
- c. Population**
- d. Consumers

Answer: (c)

14. Which of these organisms has a diet consisting only of plant matter

- a. Omnivores
- b. Carnivores
- c. Herbivores**
- d. Insectivores

Answer: (c)

15. The true end of any food chain is the

- a. Decomposer**
- b. Predator
- c. Consumer
- d. Human

Answer: (a)

16. The second trophic level in a lake is

- a. Phytoplankton
- b. Zooplanktons**
- c. Fishes
- d. Benthos

Answer: (b)

17. Which of the following can act as a pioneer species in a xerach succession

- a. Lichens**
- b. Humans
- c. Herbs
- d. Animals

Answer: (a)

18. Energy flow in an ecosystem is

- a. Bidirectional
- b. Unidirectional
- c. Multidirectional**
- d. All rounds

Answer: (c)

19. Which of the following is an example of a man-made ecosystem

- a. Tissue culture
- b. Herbarium
- c. Aquarium**
- d. Forest

Answer: (c)

20. Pyramid of energy in a pond ecosystem is always

- a. Inverted
- b. Upright**
- c. Linear
- d. Irregular

Answer: (b)

21. In a pyramid of numbers in grassland ecosystems, the largest population is that of

- a. Herbivores**
- b. Primary consumers
- c. Secondary consumer
- d. Producers

Answer: (a)

22. Which of these belong to the category of primary consumers in grazing food chain

- a. snakes and frogs
- b. Insects and cattle
- c. Eagle and snakes
- d. Cow and rabbit**

Answer: (d)

23. The pyramid of energy is always upright for any ecosystem, this situation indicates that

- a. Herbivores have better energy conversion efficiency than carnivores
- b. Producers have the lowest energy conversion efficiency
- c. Carnivores have a better energy conversion efficacy than herbivores
- d. Energy conversion efficiency is same at all trophic levels**

Answer: (d)

24. Which of the ecological pyramid is always upright

- a. Pyramid of numbers
- b. Pyramid of biomass
- c. Pyramid of energy**
- d. All of the above

Answer: (c)

25. Which one of the following is not a gaseous biogeochemical cycle

- a. Nitrogen cycle
- b. Carbon cycle
- c. Sulphur cycle
- d. Phosphorus cycle**

Answer: (d)