

# MCQ Questions On Environmental Studies

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

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

**Answer:** Phosphorus cycle

2. *Deserts, grasslands, forests and tundra regions are the examples of*

- a. Biomes
- b. Biogeographically regions
- c. Ecosystems
- d. Biospheres

**Answer:** Ecosystems

3. *The upright pyramid of numbers is absent in*

- a. Lake
- b. Pond
- c. Grasslands
- d. Forests

**Answer:** Forests

4. *The final stable community in ecological succession is*

- a. Climax
- b. Pioneer
- c. Sere
- d. Carnivores

**Answer:** Climax

5. *Mass of living matter at a trophic level in an area at any given time is called*

- a. Standing state
- b. Standing crop
- c. Humus
- d. Detritus

**Answer:** Standing crop

6. *Hydrarch succession takes place in*

- a. Dry areas
- b. Bare area
- c. Wetter areas
- d. None of the above

**Answer:** Wetter areas

7. *A herbivore is also known as a*

- a. Producer
- b. First order consumer
- c. Second order consumer.
- d. Third order consumer

**Answer:** First order consumer

8. *In an ecotone, the species which become abundant are called:*

- a. Edge species
- b. Keystone species
- c. Endemic species
- d. Foster species

**Answer:** Edge species

9. *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:** All of the above

10. *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:** None of the above

11. *Atmosphere consists of 79 percent Nitrogen and 21 percent Oxygen by*

- a. Volume
- b. Weight

- c. Density
- d. All of these

**Answer:** Weight

*12. The word 'Environment' is derived from*

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

**Answer:** French

*13. Which among the following is a climatic factor?*

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

**Answer:** All of the above

*14. World environment day is on:*

- a. 5th May
- b. 5th June
- c. 18th July
- d. 16th August

**Answer:** 5th June

*15. 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:** all of the above

*16. 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:** balance between human needs and the ability of earth to provide the resources

*17. The most important remedy to avoid negative impact due to industrialisation is*

- a. industry should be closed
- b. don't allow new industrial units
- c. industry should treat all the wastes generated by it before disposal
- d. industries should be shifted far away from human habitats

**Answer:** industry should treat all the wastes generated by it before disposal

*18. Sustainable development will not aim at*

- a. Social economic development which optimizes the economic and social benefits available in the present, without spoiling the likely potential for similar benefits in the future
- b. Reasonable and equally distributed level of economic well being that can be perpetuated continually
- c. Development that meets the needs of the present without compromising the needs of future generations to meet their own needs
- d. Maximising the present day benefits through increased resource consumption

**Answer:** Development that meets the needs of the present without compromising the needs of future generations to meet their own needs

*19. Which of the following is management option for air pollution?*

- a. Regulations and standards
- b. Transport planning
- c. Using CNG as fuel
- d. All of these

**Answer:** All of these

*20. Development activities on the hydrosphere cause*

- a. Air pollution
- b. Soil pollution
- c. Water pollution
- d. Soil erosion

**Answer:** Soil erosion

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

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

**Answer:** Endemic species

22. *The basic requirements of human beings are provided by*

- a. Industrialisation
- b. Agriculture
- c. Nature
- d. Urbanisation

**Answer:** Nature

23. *Environment is the life support system that includes*

- a. Air
- b. Water
- c. Land
- d. All of the above

**Answer:** All of the above

24. *The term 'Environment' has been derived from the French word which means to encircle or surround*

- a. Environ
- b. Oikos
- c. Geo
- d. Aqua

**Answer:** Environ

25. *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:** The thin shell of organic matter on the surface of the earth comprising of all the living things

26. *The adverse effect of modern agriculture is*

- a. Water pollution
- b. Soil degradation
- c. Water logging
- d. All of the above

**Answer:** Soil degradation

27. *Soil erosion removes surface soil which contains*

- a. Organic matter

- b. Plant nutrients
- c. Both a and b
- d. none of the above

**Answer:** Organic matter

*28. Water logging is a phenomenon in which*

- a. Crop patterns are rotated
- b. Soil root zone becomes saturated due to over irrigation
- c. Erosion of soil
- d. None of the above

**Answer:** Soil root zone becomes saturated due to over irrigation

*29. The impact of construction of dams*

- a. Submerged forest
- b. Loss of wild life habitat
- c. Damages downstream ecosystem
- d. All of the above

**Answer:** All of the above

*30. What would you do to prevent environmental damage*

- a. Plant trees
- b. Halt deforestation
- c. Control pollution
- d. All of the above

**Answer:** All of the above

*31. Environmental impact assessment*

- a. is the study of feasibility of a project
- b. is a study of bio-physical characteristics of the environment that may result from a human action
- c. Both a and b
- d. None of the above

**Answer:** is a study of bio-physical characteristics of the environment that may result from a human action

*32. Which of the following is the most environmental friendly agricultural practice?*

- a. Using chemical fertilizers
- b. Using insecticides
- c. Organic farming

d. None of the above

**Answer:** Organic farming

*33. A herbivore is also known as a*

- a. Producer
- b. First order consumer
- c. Second order consumer.
- d. Third order consumer

**Answer:** First order consumer

*34. A product of photosynthesis is*

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

**Answer:** Oxygen

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

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

**Answer:** Sun

*36. 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:** Population

*37. If in a population, natality is balanced by mortality, then there will be*

- a. Decrease in population growth
- b. Increase in population growth
- c. Zero population growth
- d. Over population

**Answer:** Zero population growth

*38. 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:** Herbivores

*39. 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:** Cow and rabbit

*40. 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:** Energy conversion efficiency is same at all trophic levels

*41. 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:** Pyramid of energy

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

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

**Answer:** Phosphorus cycle

*43. Deserts, grasslands, forests and tundra regions are the examples of*

- a. Biomes
- b. Biogeographically regions



- c. Ecosystems
- d. Biospheres

**Answer:** Ecosystems

*44. The upright pyramid of numbers is absent in*

- a. Lake
- b. Pond
- c. Grasslands
- d. Forests

**Answer:** Forests

*45. The final stable community in ecological succession is*

- a. Climax
- b. Pioneer
- c. Sere
- d. Carnivores

**Answer:** Climax

*46. Mass of living matter at a trophic level in an area at any given time is called*

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- c. Humus
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- c. Second order consumer
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**Answer:** First order consumer

49. A product of photosynthesis is

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**Answer:** Oxygen

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

- a. Green plants
- b. Sun
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**Answer:** Sun

51. 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:** Population

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

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

**Answer:** Herbivores

53. The true end of any food chain is the

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

**Answer:** Decomposer

54. The second trophic level in a lake is

- a. Phytoplankton

- b. Zooplanktons
- c. Fishes
- d. Benthos

**Answer:** Zooplanktons

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

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

**Answer:** Lichens

*56. Energy flow in an ecosystem is*

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

**Answer:** Multidirectional

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

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

**Answer:** Aquarium

*58. Pyramid of energy in a pond ecosystem is always*

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

**Answer:** Upright

*59. If in a population, natality is balanced by mortality, then there will be*

- a. Decrease in population growth
- b. Increase in population growth
- c. Zero population growth
- d. Over population

**Answer:** Zero population growth

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

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**Answer:** Herbivores

*65. The true end of any food chain is the*

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- b. Predator
- c. Consumer
- d. Human

**Answer:** Decomposer

*66. The second trophic level in a lake is*

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

**Answer:** Zooplanktons

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

- a. Lichens
- b. Humans
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- d. Animals

**Answer:** Lichens

*68. Energy flow in an ecosystem is*

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- d. None of the above

**Answer:** Wetter areas

92. *Which of the following is a fossil fuel?*

- a. Oil
- b. Coal

- c. Natural gas
- d. All of the above

**Answer:** Coal

*93. Which of the following is not an inexhaustible form of energy?*

- a. Water
- b. Wind
- c. Solar
- d. Fossil

**Answer:** Solar

*94. Biogas contains mainly*

- a. Methane
- b. Propane
- c. Butane
- d. Carbon dioxide

**Answer:** Methane

*95. The burning of fossil fuels releases a large amount of*

- a. Nitrogen into air
- b. Sulphur into air
- c. Carbon dioxide into air
- d. Oxygen into air

**Answer:** Sulphur into air

*96. A poisonous gas given out of a vehicle exhaust is*

- a. Methane
- b. Ethane
- c. Carbon dioxide
- d. Carbon monoxide

**Answer:** Carbon monoxide

*97. The purest form of coal is*

- a. Anthracite
- b. Lignite
- c. Peat
- d. Bitumen

**Answer:** Peat

98. Which one of the following is used as a refrigerant?

- a. Freon
- b. Teflon
- c. Ethanol
- d. Benzol

**Answer:** Freon

99. Loss of forest has led to

- a. Erosion of fertile soil
- b. Global warming
- c. Loss of habitat of plants and animals
- d. All of the above

**Answer:** All of the above

100. What are the consequences of excessive mining in an area?

- a. Air and water pollution
- b. Deforestation
- c. Migration of large numbers of population
- d. All of the above

**Answer:** All of the above

101. Study of trends in human population growth and prediction of future growth is called

- a. Demography
- b. Psychology
- c. Biography
- d. Kalography

**Answer:** Demography

102. One of the critical mechanism by which the environment controls population of species is

- a. Spread of disease
- b. Removal of excreta
- c. Supply of food
- d. Control on death rate

**Answer:** Control on death rate

103. If the rate of addition of new member's increases with respect to the individual lost of the same population, then the graph obtained has

- a. Decline growth

- b. Zero growth
- c. Exponential growth
- d. None of these

**Answer:** Exponential growth

*104. The number of babies produced per thousand individuals is called*

- a. Natality
- b. Mortality
- c. Immigration
- d. Emigration

**Answer:** Natality

*105. The zero population growth due to equal birth and death rates is called*

- a. Fertility rate
- b. Replacement level
- c. Natural increase
- d. Demographic transition

**Answer:** Demographic transition