



## Chapter - 06

### Environment and Ecology

1. The Earth summit was organised by

- (A) UNESCO (B) UNCED  
(C) WHO (D) UNICEF

2. Environment includes

- (A) Abiotic component  
(B) Biotic component  
(C) Oxygen and Nitrogen  
(D) Abiotic and Biotic component

3. The World's largest bio-fuel plant has been established with a production capacity of 100 million liters per year, is located in

- (A) China (B) India  
(C) Brazil (D) USA

4. What is the cause of 'Green house effect'?

- (A) Nitrogen (B) Carbon Dioxide  
(C) Carbon Monoxide (D) Nitrogen Dioxide

5. Which of the following is an important Greenhouse Gas?

- (A) Carbon Dioxide (B) Chlorofluorocarbon  
(C) Carbon Monoxide (D) Freon

6. The cause of reduction of forest coverage is

- (A) Agriculture  
(B) Manufacturing Industry  
(C) Rising Population

(D) Tourism and Pilgrimage

7. Where is the secretariat of the Conference on Biological Diversity?

- (A) London (B) Italy  
(C) Montreal (D) Toronto

8. When was the World Wildlife Fund founded?

- (A) 1969 (B) 1992  
(C) 1961 (D) 1965

9. What is the ecological system integrating all living beings and their relationships?

- (A) Total Wild Life  
(C) Lithosphere

- (B) Biosphere  
(D) Hydrosphere

10. The largest ecosystem of earth is

- (A) Biome (B) Hydrosphere  
(C) Lithosphere (D) Biosphere

11. For which of the following reason, it is necessary to secure a large area for forest?

- (A) Absorption of carbon dioxide  
(B) Conservation of wild life  
(C) More rain  
(D) Ecological balance

12. Soil is eroded heavily due to deforestation, it affects the flowing of surface water badly. Which of the following is badly affected by these causes

- (A) Human-Resource (B) Ecological System  
(C) Climate (D) Local Plants

13. Which of the following aquatic plant is effective in preventing the water-pollution caused by industrial waste?

- (A) Water Hyacinth (B) Elephant Grass  
(C) Parthenium (D) (B) and (C)

14. Which has the maximum rate of deforestation?

- (A) Tropical Zone (B) Desert Zone  
(C) Temperate Zone (D) Northern Forest

15. Due to growing demand of which of the following product, tropical forest are being damaged the most

- (A) Pork (B) Sugar  
(C) Meat of Goat (D) Beef

16. What is the benefit of rain water storage?

- (A) Recharging ground water level  
(B) Respite from floods  
(C) Reduce the scarcity of water  
(D) Protection from soil-erosion

17. What are the five main indicators of global climate change of our planet?

- (A) Sea level, rising temperature, rain, nitrogen and Arctic ocean ice  
(B) None of these  
(C) Arctic ocean ice, carbon dioxide, global temperature, sea level, surface ice





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(D) Antarctica ice, oxygen, rain, drought and sea level

18. What is the reason of degradation of climate of Maldives?

- (A) Continuous soil erosion
- (B) High population density
- (C) Industrial pollution of air and water
- (D) All of these

19. El – Nino is

- (A) Warm Ocean Current
- (B) Sea Storm
- (C) Tropical Disturbance
- (D) Another name of Typhoon

20. The Ozone hole over Antarctica was discovered in

- (A) 1975
- (B) 1985
- (C) 1978
- (D) 1987

21. What is the biggest source of pollution in the world?

- (A) Sewage and Garbage
- (B) Automobile Laxity
- (C) Herbicide and Insecticide
- (D) Industrial Tributaries

22. The Biosphere is a region of earth which supports life. It includes

- 1. Hydrosphere
- 2. Lithosphere
- 3. Stratosphere
- 4. Troposphere
- (A) 1 and 3
- (B) 1,2, and 4
- (C) 1 and 4
- (D) 2,3,and 4

23. Global warming is expected to result in

- (A) Increase in sea level
- (B) Change in crop pattern
- (C) Change in coastal line
- (D) All of these

24. Rio Summit is associated with

- (A) Convention on Biological Diversity
- (B) Green house gases
- (C) Ozone depletion
- (D) Wet lands

25. Which of the following is least likely to be an effect of global warming?

- (A) Increased frequency of hurricanes
- (B) Loss of fertile delta region as for agriculture

- (C) Decreased rate of photosynthesis in vegetation
- (D) Shrinking of the polar ice regions

26. The first protocol to ban the emissions of chloro fluorocarbons in the atmosphere was made in \_\_\_\_\_

- (A) Montreal
- (B) Osaka
- (C) Geneva
- (D) Florida

27. Which gas is primarily responsible for trapping heat in the Earth's atmosphere?

- A) Oxygen
- B) Carbon dioxide
- C) Nitrogen
- D) Methane

28. Which of the following is a renewable energy source?

- A) Coal
- B) Natural gas
- C) Solar energy
- D) Petroleum

29. Which of the following is a major cause of deforestation?

- A) Planting of new trees
- B) Sustainable logging practices
- C) Agricultural expansion
- D) Forest conservation efforts

30. The ozone layer is found in which layer of the Earth's atmosphere?

- A) Troposphere
- B) Stratosphere
- C) Mesosphere
- D) Thermosphere

31. Which gas is released in large quantities during volcanic eruptions?

- A) Oxygen
- B) Hydrogen
- C) Sulfur dioxide
- D) Helium

32. Acid rain is primarily caused by the emission of which gases into the atmosphere?

- A) Oxygen and nitrogen
- B) Carbon dioxide and methane
- C) Sulfur dioxide and nitrogen oxides
- D) Chlorofluorocarbons (CFCs)

33. Which of the following is a greenhouse gas released from livestock farming?

- A) Oxygen
- B) Methane
- C) Nitrogen
- D) Carbon monoxide







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34. The process by which a fertile area becomes a desert due to deforestation, drought, or inappropriate agriculture is known as:

- A) Desertification B) Fossilization  
C) Salinization D) Erosion

35. Which of the following is a primary source of marine pollution?

- A) Agricultural runoff B) Industrial waste  
C) Plastic debris D) All of the above

36. Which international agreement aims to reduce greenhouse gas emissions to combat climate change?

- A) Paris Agreement B) Kyoto Protocol  
C) Montreal Protocol D) Copenhagen Accord

37. Which of the following is an example of a non-renewable resource?

- A) Wind energy  
B) Natural gas  
C) Hydroelectric power  
D) Biomass

38. Eutrophication of water bodies is mainly caused by an influx of which nutrient?

- A) Nitrogen B) Phosphorus  
C) Carbon D) Sulfur

39. What is the main source of indoor air pollution in many households in developing countries?

- A) Smoke from cooking fires  
B) Vehicle emissions  
C) Industrial pollutants  
D) Cigarette smoke

40. Which type of waste poses the greatest threat to wildlife in oceans and coastal areas?

- A) Organic waste B) Plastic waste  
C) Metal waste D) Glass waste

41. Which of the following is a consequence of biodiversity loss?

- A) Reduced ecosystem stability  
B) Increased crop yields  
C) Accelerated climate change  
D) All of the above

42. Which of the following is a sustainable agricultural practice?

- A) Monoculture farming  
B) Heavy pesticide use  
C) Crop rotation  
D) Deforestation

43. Which of the following is a renewable resource derived from trees?

- A) Coal B) Natural gas  
C) Timber D) Petroleum

44. Which international treaty aimed to protect the ozone layer by phasing out the production of ozone-depleting substances?

- A) Paris Agreement  
B) Kyoto Protocol  
C) Montreal Protocol  
D) Stockholm Convention

45. What is the primary cause of coral bleaching in marine ecosystems?

- A) Pollution  
B) Ocean acidification  
C) Ultraviolet radiation  
D) Elevated sea temperatures

46. Which of the following is a consequence of air pollution on human health?

- A) Respiratory diseases  
B) Cardiovascular diseases  
C) Neurological disorders  
D) All of the above

47. What is the term for the process by which Earth's average temperature increases due to greenhouse gases trapping heat in the atmosphere?

- A) Global cooling B) Greenhouse effect  
C) Ice age D) Ozone depletion

48. Which of the following is an example of a sustainable transportation option?

- A) Electric car  
B) Diesel truck  
C) Gasoline-powered scooter  
D) None of the above





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49. Which type of waste is a major contributor to the formation of "garbage patches" in the world's oceans?

- A) Glass waste B) Metal waste  
C) Plastic waste D) Organic waste

50. Which of the following is a method to conserve water resources in agriculture?

- A) Drip irrigation  
B) Flooding fields  
C) Excessive groundwater extraction  
D) All of the above

51. What is the term for the variety of life on Earth, including genetic diversity, species diversity, and ecosystem diversity?

- A) Sustainability B) Conservation  
C) Biodiversity D) Ecotourism

52. What is ecology?

- A) Study of rocks  
B) Study of organisms  
C) Study of interactions between organisms and their environment  
D) Study of stars

53. Which level of ecological organization involves a community of organisms interacting with each other?

- A) Population B) Ecosystem  
C) Community D) Biosphere

54. Which of the following is an example of an abiotic factor?

- A) Trees B) Sunlight  
C) Deer D) Birds

55. Which term refers to the role a species plays in an ecosystem, including its interactions with other organisms?

- A) Habitat B) Niche  
C) Population D) Biosphere

56. Which process involves the conversion of atmospheric nitrogen into a form usable by plants?

- A) Nitrification B) Denitrification  
C) Nitrogen fixation D) Assimilation

57. Which biome is characterized by low temperatures, permafrost, and low precipitation?

- A) Tropical rainforest B) Tundra  
C) Desert D) Grassland

58. Which of the following is not a greenhouse gas?

- A) Carbon dioxide (CO<sub>2</sub>)  
B) Oxygen (O<sub>2</sub>)  
C) Methane (CH<sub>4</sub>)  
D) Water vapor (H<sub>2</sub>O)

59. Which trophic level contains organisms that primarily consume producers?

- A) Primary consumers  
B) Secondary consumers  
C) Tertiary consumers  
D) Decomposers

60. Which process releases energy from organic molecules, allowing organisms to perform work?

- A) Photosynthesis  
B) Cellular respiration  
C) Decomposition  
D) Nitrogen fixation

61. Which of the following describes a species that has a disproportionate impact on its ecosystem relative to its abundance?

- A) Keystone species B) Invasive species  
C) Indicator species D) Endemic species

62. Which type of symbiotic relationship benefits one species while the other is neither helped nor harmed?

- A) Mutualism B) Commensalism  
C) Parasitism D) Competition

63. Which biome is characterized by sparse vegetation and limited rainfall?

- A) Taiga B) Savanna  
C) Chaparral D) Desert

64. Which factor is the primary driver of climate patterns on Earth?

- A) Altitude B) Latitude  
C) Ocean currents D) Wind patterns

65. What is a population?

- A) Group of interacting species  
B) Group of the same species in a defined area  
C) Group of different species in a defined area







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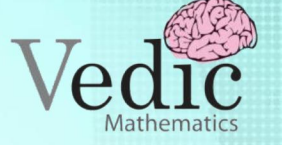
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D) Group of organisms in the biosphere

66. Which process converts inorganic nitrogen into organic compounds by plants?

- A) Denitrification      B) Ammonification  
C) Nitrogen fixation      D) Assimilation

67. Which term describes the maximum number of individuals of a species that an environment can support indefinitely?

- A) Carrying capacity  
B) Limiting factor  
C) Density-dependent factor  
D) Population growth

68. Which type of succession occurs on bare rock where no soil is present?

- A) Primary succession      B) Secondary succession  
C) Climax succession      D) Initial succession

69. Which process recycles nutrients back into the environment from decaying organic matter?

- A) Nitrification      B) Nitrogen fixation  
C) Denitrification      D) Decomposition

70. Which human activity contributes most significantly to the current rise in atmospheric carbon dioxide levels?

- A) Deforestation      B) Fishing  
C) Urbanization      D) Burning fossil fuels

