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Practice **Set 2** Solution

Environmental SCIENCES

Topics :

1. Ecosystem
2. Pollution and its types

DDCE final exam weightage of this topic : 3 Questions (6 Marks)

**Total Practice sets
of this topic :**

5 (sets) x 40 (questions) = 200 Questions

**Total Practice tests
of this topic :**

2 (exams) x 30 (questions) = 60 Questions

**Offline / Online
during lecture :**

4 (lectures) X 50 (Questions) = 200 Question

**Total 460 Questions to
practice this topic**



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UNITY TRAINING ACADEMY FOR DDCET

Section 1 :

1. Ecosystem
2. Pollution and its types

1. Radioactive pollution can be caused by:

- A) Burning of fossil fuels.
- B) Nuclear accidents and waste disposal. ✓
- C) Use of chemical fertilizers.
- D) Excessive noise from industries.

2. The living components of an ecosystem are collectively known as:

- A) Abiotic factors
- B) Biotic factors ✓
- C) Producers
- D) Consumers

3. Which of the following is an abiotic component of a forest ecosystem?

- A) Deer
- B) Trees
- C) Sunlight ✓
- D) Fungi

4. In a food chain, the flow of energy is always:

- A) Cyclic
- B) Bidirectional
- C) Unidirectional ✓
- D) Random

5. Which biome is characterized by high temperatures and high rainfall?

- A) Tundra
- B) Taiga
- C) Tropical rainforest ✓
- D) Desert

6. Substances that cause pollution are known as:

- A) Pollutants ✓
- B) Contaminants
- C) Toxins
- D) Irritants

7. Which of the following is a primary air pollutant?

- A) Smog
- B) Ozone (tropospheric)
- C) Carbon monoxide ✓
- D) Acid rain

8. Which of the following is a major cause of acid rain?

- A) Increased use of fertilizers.
- B) Emission of sulfur dioxide and nitrogen oxides. ✓
- C) Deforestation.
- D) Burning of plastics.

9. Which of the following is a common source of water pollution in agricultural areas?

- A) Thermal discharge
- B) Industrial effluents
- C) Pesticides and fertilizers ✓
- D) Sewage discharge

10. Which of the following methods is commonly used for the treatment of municipal solid waste?

- A) Incineration
- B) Composting
- C) Landfilling
- D) All of the above ✓





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11. Light pollution can negatively impact:

- A) Soil fertility
- B) Animal behavior and migration patterns ✓
- C) Water salinity
- D) Atmospheric pressure

12. Which of the following is a strategy for preventing air pollution?

- A) Promoting the use of private vehicles.
- B) Encouraging deforestation.
- C) Using catalytic converters in automobiles. ✓
- D) Increasing the burning of agricultural waste.

13. The concept of "reduce, reuse, recycle" is primarily aimed at mitigating:

- A) Air pollution
- B) Water pollution
- C) Solid waste pollution ✓
- D) Noise pollution

14. An animal that hunts and kills other animals for food is a:

- A) Herbivore
- B) Producer
- C) Predator ✓
- D) Decomposer

15. A simple representation of how energy moves in an ecosystem is a:

- A) Food web
- B) Food chain ✓
- C) Ecological pyramid
- D) Biomass

16. Grass is eaten by a rabbit. The rabbit is a:

- A) Producer
- B) Primary consumer ✓
- C) Secondary consumer
- D) Tertiary consumer

17. Fungi are examples of:

- A) Producers
- B) Consumers
- C) Decomposers ✓
- D) Predators

18. Water is an example of a(n) _____ factor in an ecosystem.

- A) Biotic
- B) Abiotic ✓
- C) Living
- D) Organic

19. Several populations living together in an area form a:

- A) Population
- B) Ecosystem
- C) Community ✓
- D) Species

20. Bacteria in the soil help with the _____ cycle.

- A) Water
- B) Carbon
- C) Nitrogen ✓
- D) Oxygen





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21. A change in the environment can affect the _____ of an ecosystem.

- A) Size
- B) Stability ✓
- C) Location
- D) Age

22. Car exhaust is a major source of _____ pollution.

- A) Water
- B) Land
- C) Air ✓
- D) Noise

23. Recycling paper and plastic helps to reduce _____ pollution.

- A) Air
- B) Water
- C) Land ✓
- D) Noise

24. The Taj Mahal in India has been affected by:

- A) Thermal pollution from nearby industries.
- B) Water pollution from the Yamuna River.
- C) Acid rain caused by emissions from industries in the surrounding areas. ✓
- D) Noise pollution affecting its structure.

25. The presence of high levels of nitrates and phosphates in a water body usually indicates:

- A) A healthy and balanced ecosystem.
- B) Industrial pollution with heavy metals.
- C) Agricultural runoff containing fertilizers. ✓
- D) Thermal pollution from power plants.

26. Landfills, if not managed properly, can release harmful gases like:

- A) Oxygen and nitrogen.
- B) Carbon dioxide and methane. ✓
- C) Helium and neon.
- D) Water vapor and ozone.

27. The "Green Revolution" in India, while increasing food production, also led to some environmental concerns, including:

- A) A decrease in the use of chemical fertilizers.
- B) Increased water pollution due to excessive irrigation and fertilizer use. ✓
- C) A significant reduction in soil erosion.
- D) An increase in the biodiversity of agricultural lands.

28. Dot balls in IPL 2025 helps in _____

- A) Decreasing Water Pollution
- B) Making Green Cover ✓
- C) Decreasing Soil Pollution
- D) Increasing Soil Pollution

29. Which greenhouse gas is released in large quantities from paddy fields due to anaerobic decomposition?

- A) Carbon dioxide
- B) Methane ✓
- C) Nitrous oxide
- D) Ozone

30. Deforestation generally leads to:

- A) Increased rainfall
- B) Soil erosion ✓
- C) Increased biodiversity
- D) Lower atmospheric temperature



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31. The process by which plants lose water in the form of vapor through their leaves is called:

- A) Evaporation
- B) Condensation
- C) Transpiration ✓
- D) Precipitation

32. CFCs are not recommended to be used in refrigerators because they _____ [DDCET-2024]

- A) Deplete ozone ✓
- B) Affect environment
- C) Affect human body
- D) Increase temperature

33. The layer of the atmosphere closest to the Earth's surface is the:

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

34. Which of the following is a major source of indoor air pollution in rural areas of India?

- A) Industrial emissions
- B) Vehicle exhaust
- C) Burning of biomass fuels for cooking ✓
- D) Use of air conditioners

35. The Chipko Movement in India was primarily associated with the:

- A) Protection of wildlife
- B) Conservation of forests ✓
- C) Prevention of water pollution
- D) Control of air pollution

36. Which of the following natural disasters is often linked to deforestation in hilly regions?

- A) Earthquakes
- B) Volcanic eruptions
- C) Landslides ✓
- D) Cyclones

37. The concept of "carbon footprint" refers to:

- A) The amount of carbon stored in forests.
- B) The total amount of greenhouse gases generated by our actions. ✓
- C) The area of land required to grow a specific crop.
- D) The concentration of carbon dioxide in the atmosphere.

38. Which of the following is a major environmental benefit of using public transportation?

- A) Increased traffic congestion
- B) Higher consumption of fossil fuels
- C) Reduced air and noise pollution ✓
- D) Greater individual mobility

39. Which of the following is a major consequence of global warming?

- A) Decrease in sea level
- B) Increased frequency of extreme weather events ✓
- C) Expansion of glaciers
- D) Improved agricultural productivity in all regions

40. Burning what increases atmospheric CO₂ most?

- A) Hydrogen
- B) Oxygen
- C) Fossil fuels ✓
- D) Nitrogen



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