



Name of the Bundle	Proficient Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	Environmental Issues and Ecology	Last updated on	07 March 2025

1. What is the primary objective of the Environment (Protection) Act of 1986?

- a. To control pollution and protect the environment
- b. To regulate the use of natural resources
- c. To provide guidelines for wildlife conservation
- d. To prevent deforestation

Ans: a. To control pollution and protect the environment

2. Which of the following is NOT a greenhouse gas?

- a. Methane (CH₄)
- b. Oxygen (O₂)
- c. Carbon dioxide (CO₂)
- d. Water vapor (H₂O)

Ans: b. Oxygen (O₂)

3. Which air pollutant is responsible for the depletion of the ozone layer?

- a. Sulfur dioxide (SO₂)
- b. Chlorofluorocarbons (CFCs)
- c. Carbon monoxide (CO)
- d. Lead (Pb)

Ans: b. Chlorofluorocarbons (CFCs)

4. Acid rain is primarily caused by which two pollutants?

- a. Carbon dioxide and methane
- b. Sulfur dioxide and nitrogen oxides
- c. Ozone and water vapor
- d. Lead and particulate matter

Ans: b. Sulfur dioxide and nitrogen oxides



Name of the Bundle	Proficient Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	Environmental Issues and Ecology	Last updated on	07 March 2025

5. What is the effect of sulfur dioxide on human health?

- a. It causes respiratory problems.
- b. It enhances blood oxygen levels.
- c. It improves cardiovascular health.
- d. It promotes digestion.

Ans: a. It causes respiratory problems

6. Which type of fuel produces the most sulfur dioxide when burned?

- a. Natural gas
- b. Coal
- c. Biogas
- d. Hydrogen

Ans: b. Coal

7. What is the primary use of platinum, palladium, and rhodium in industries?

- a. Jewelry manufacturing
- b. Making electrical circuits
- c. Catalytic converters in automobiles
- d. Coin production

Ans: c. Catalytic converters in automobiles

8. What role does palladium play in catalytic converters?

- a. Reducing nitrogen oxides
- b. Converts carbon monoxide to carbon dioxide
- c. Absorbs hydrocarbons
- d. Filters particulate matter

Ans: b. Converts carbon monoxide to carbon dioxide



Name of the Bundle	Proficient Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	Environmental Issues and Ecology	Last updated on	07 March 2025

9. What is the primary cause of acid rain?

- a. Carbon dioxide (CO_2)
- b. Sulfur dioxide (SO_2) and nitrogen oxides (NO_x)
- c. Methane (CH_4)
- d. Chlorofluorocarbons (CFCs)

Ans: b. Sulfur dioxide (SO_2) and nitrogen oxides (NO_x)

10. What happens to aquatic life in water bodies with very high BOD levels?

- a. They thrive due to more nutrients.
- b. They suffocate due to oxygen depletion.
- c. Their population remains unaffected.
- d. They migrate to other water bodies.

Ans: b. They suffocate due to oxygen depletion.

11. Biochemical Oxygen Demand BOD is a measure of:

- a. The total oxygen in water
- b. The amount of oxygen required by microorganisms to decompose organic matter
- c. The oxygen needed by aquatic animals for respiration
- d. The oxygen required for photosynthesis in plants

Ans: b. The amount of oxygen required by microorganisms to decompose organic matter

12. Noise pollution affects humans by causing:

- a. Stress and high blood pressure
- b. Improved concentration
- c. Enhanced hearing
- d. Faster recovery from illness

Ans: a. Stress and high blood pressure



Name of the Bundle	Proficient Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	Environmental Issues and Ecology	Last updated on	07 March 2025

13. Which of the following is a major pollutant of agricultural soil?

- a. Plastic waste
- b. Heavy metals
- c. Fertilizers and pesticides
- d. Oil spills

Ans: c. Fertilizers and pesticides

14. Which of the following heavy metals is a common soil contaminant?

- a. Lead (Pb)
- b. Gold (Au)
- c. Silver (Ag)
- d. Zinc (Zn)

Ans: a. Lead (Pb)

15. What is the primary pollutant in landfills that leads to land pollution?

- a. Methane gas
- b. Leachate (toxic liquid)
- c. Carbon dioxide
- d. Sulfur dioxide

Ans: b. Leachate (toxic liquid)

16. Which international agreement focuses on controlling land degradation?

- a. Kyoto Protocol
- b. United Nations Convention to Combat Desertification (UNCCD)
- c. Montreal Protocol
- d. Paris Agreement

Ans: b. United Nations Convention to Combat Desertification (UNCCD)



Name of the Bundle	Proficient Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	Environmental Issues and Ecology	Last updated on	07 March 2025

17. What does "biodegradable" mean?

- a. Materials that can be recycled and reused
- b. Materials that can break down naturally by microorganisms
- c. Materials that decompose into harmful substances
- d. Materials that cannot be broken down

Ans: b. Materials that can break down naturally by microorganisms

18. Which of the following is an example of a recyclable material?

- a. Plastic bags
- b. Glass bottles
- c. Banana peels
- d. Food waste

Ans: b. Glass bottles

19. Which of the following is a recyclable plastic?

- a. PVC (Polyvinyl chloride)
- b. Polystyrene
- c. PET (Polyethylene Terephthalate)
- d. Polyurethane

Ans: c. PET (Polyethylene Terephthalate)

20. Which environmental issue do non-biodegradable materials contribute to?

- a. Increased soil fertility
- b. Water and land pollution
- c. Increased plant growth
- d. Improved biodiversity

Ans: b. Water and land pollution



Name of the Bundle	Proficient Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	Environmental Issues and Ecology	Last updated on	07 March 2025

21. Which of the following is a potential environmental risk of pesticide use?

- a. Increased soil fertility
- b. Contamination of water sources
- c. Improved air quality
- d. Enhanced biodiversity

Ans: b. Contamination of water sources

22. Which of the following is an example of a selective herbicide?

- a. Glyphosate
- b. Roundup
- c. 2,4-D
- d. Paraquat

Ans: c. 2,4-D

23. Which of the following is a non-selective herbicide?

- a. Atrazine
- b. Glyphosate
- c. Dicamba
- d. 2,4-D

Ans: b. Glyphosate

24. Which of the following is a commonly used herbicide in organic farming?

- a. Glyphosate
- b. 2,4-D
- c. Vinegar and natural oils
- d. Paraquat

Ans: c. Vinegar and natural oils



Name of the Bundle	Proficient Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	Environmental Issues and Ecology	Last updated on	07 March 2025

25. Which of the following is an example of a common fungicide used in agriculture?

- a. Glyphosate
- b. 2,4-D
- c. Mancozeb
- d. Atrazine

Ans: c. Mancozeb

26. Which of the following is a non-systemic fungicide?

- a. Tebuconazole
- b. Copper oxychloride
- c. Azoxystrobin
- d. Fluazinam

Ans: b. Copper oxychloride

27. Which of these is a natural or organic fungicide?

- a. Sulfur
- b. Chlorothalonil
- c. Mancozeb
- d. Propiconazole

Ans: a. Sulfur

28. Which of the following is a major source of radioactive waste?

- a. Household garbage
- b. Nuclear power plants
- c. Agricultural runoff
- d. Forest fires

Ans: b. Nuclear power plants



Name of the Bundle	Proficient Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	Environmental Issues and Ecology	Last updated on	07 March 2025

29. What is one method used for managing radioactive waste?

- a. Burning it in open pits
- b. Storing it in deep underground facilities
- c. Dumping it in oceans
- d. Composting it with organic materials

Ans: b. Storing it in deep underground facilities

30. What is the greenhouse effect?

- a. The process of air cooling in the atmosphere
- b. The trapping of heat in the Earth's atmosphere by certain gases
- c. The absorption of sunlight by the Earth's surface
- d. The process of water vapor rising into the atmosphere

Ans: b. The trapping of heat in the Earth's atmosphere by certain gases

31. How does the greenhouse effect contribute to global warming?

- a. By absorbing harmful radiation from the Sun
- b. By reducing the amount of heat reflected into space
- c. By trapping heat within the Earth's atmosphere
- d. By increasing the amount of solar radiation reaching Earth

Ans: c. By trapping heat within the Earth's atmosphere

32. Which of the following greenhouse gases is released during the digestion of food by livestock?

- a. Carbon dioxide
- b. Methane
- c. Nitrous oxide
- d. Chlorofluorocarbons (CFCs)

Ans: b. Methane



Name of the Bundle	Proficient Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	Environmental Issues and Ecology	Last updated on	07 March 2025

33. Which of the following is an example of a renewable energy source that can reduce greenhouse gas emissions?

- a. Coal
- b. Natural gas
- c. Solar energy
- d. Oil

Ans: c. Solar energy

34. What is global warming?

- a. A natural cooling of Earth's atmosphere
- b. The gradual increase in Earth's average temperature due to human activities
- c. A sudden and temporary change in weather patterns
- d. The fluctuation of Earth's magnetic field

Ans: b. The gradual increase in Earth's average temperature due to human activities

35. Which of the following is a potential consequence of global warming on oceans?

- a. Rising sea levels and ocean acidification
- b. Lower water temperatures
- c. Decreased rainfall
- d. Increased fish populations

Ans: a. Rising sea levels and ocean acidification

36. What is El Niño?

- a. A warming of the Pacific Ocean waters near the equator
- b. A cooling of the Pacific Ocean waters near the equator
- c. A shift in wind patterns in the Southern Hemisphere
- d. A seasonal shift in the monsoon winds

Ans: a. A warming of the Pacific Ocean waters near the equator



Name of the Bundle	Proficient Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	Environmental Issues and Ecology	Last updated on	07 March 2025

37. What is the primary cause of ozone depletion in the stratosphere?

- a. Carbon dioxide emissions
- b. CFCs (chlorofluorocarbons) and other ozone-depleting substances
- c. Increased solar radiation
- d. Increased water vapor in the atmosphere

Ans: b. CFCs (chlorofluorocarbons) and other ozone-depleting substances

38. Which of the following is a consequence of ozone depletion?

- a. Increased levels of UV radiation reaching the Earth
- b. Increased global cooling
- c. Decrease in atmospheric temperatures
- d. Increase in oxygen levels in the stratosphere

Ans: a. Increased levels of UV radiation reaching the Earth

39. What is the Kyoto Protocol?

- a. A treaty to promote economic development
- b. An international agreement aimed at reducing greenhouse gas emissions
- c. A law to regulate the use of CFCs
- d. A global initiative to increase forest cover

Ans: b. An international agreement aimed at reducing greenhouse gas emissions

40. When was the Kyoto Protocol adopted?

- a. 1997
- b. 2001
- c. 2005
- d. 1992

Ans: a. 1997



Name of the Bundle	Proficient Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	Environmental Issues and Ecology	Last updated on	07 March 2025

41. Which of the following is a primary cause of deforestation?

- a. Urbanization and agricultural expansion
- b. Increased rainfall
- c. Forest conservation efforts
- d. Increased biodiversity

Ans: a. Urbanization and agricultural expansion

42. Which of the following is a major environmental impact of deforestation?

- a. Decreased water evaporation from the soil
- b. Increased atmospheric carbon dioxide levels
- c. Expansion of wildlife habitats
- d. Improved soil quality and fertility

Ans: b. Increased atmospheric carbon dioxide levels

43. What is ecology?

- a. The study of the physical structure of Earth
- b. The study of interactions between organisms and their environment
- c. The study of human evolution
- d. The study of the chemical processes in living organisms

Ans: b. The study of interactions between organisms and their environment

44. What is a food chain?

- a. The physical space an organism occupies in its habitat
- b. The transfer of energy from one organism to another in a straight line
- c. The way plants absorb sunlight
- d. A cycle that involves decomposition

Ans: b. The transfer of energy from one organism to another in a straight line



Name of the Bundle	Proficient Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	Environmental Issues and Ecology	Last updated on	07 March 2025

45. What is the primary source of energy for almost all ecosystems?

- a. Wind
- b. The Sun
- c. Water
- d. Soil

Ans: b. The Sun

46. What is an ecosystem?

- a. A group of organisms of the same species living together
- b. The physical surroundings of an organism
- c. A community of living organisms interacting with each other and their environment
- d. The process by which energy flows through organisms

Ans: c. A community of living organisms interacting with each other and their environment

47. In which of the following ways do human activities impact ecosystems?

- a. By creating more habitats for species
- b. By reducing biodiversity and altering habitats
- c. By improving the health of the ecosystems
- d. By increasing the number of producers in ecosystems

Ans: b. By reducing biodiversity and altering habitats

48. What is a food chain?

- a. A sequence of plants in an ecosystem
- b. A series of organisms through which energy and nutrients are passed
- c. A process of energy conversion
- d. A representation of decomposers in an ecosystem

Ans: b. A series of organisms through which energy and nutrients are passed



Selvam College of Technology



An Autonomous Institution

Accredited by NAAC with "A" Grade, UGC Recognized 2(f) Status,
An ISO 9001:2015 Certified Institution, Approved by AICTE New Delhi, Affiliated to Anna University-Chennai
PONNUSAMY NAGAR, SALEM ROAD(NH-44), NAMAKKAL-637003. TAMILNADU.
Mobile: 9942099122, 9942099109, Web: www.selvamtech.edu.in

Name of the Bundle	Proficient Bundle V2	Subject	Competitive Exams Training (Science & Geography)
Topic	Environmental Issues and Ecology	Last updated on	07 March 2025

49. Which of the following organisms is most likely a tertiary consumer?

- a. Grass
- b. Deer
- c. Eagle
- d. Rabbit

Ans: c. Eagle

50. Which of the following best represents a simple food chain?

- a. Sun → Tree → Rabbit → Fox → Decomposer
- b. Tree → Rabbit → Fox → Decomposer
- c. Sun → Fox → Rabbit → Tree
- d. Tree → Fox → Rabbit → Decomposer

Ans: a. Sun → Tree → Rabbit → Fox → Decomposer