

Kerala PSC Environmental Science Questions

1. Which layer of the atmosphere contains the ozone layer?

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

Answer: B) Stratosphere

2. Which gas contributes the most to the greenhouse effect due to human activities?

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

Answer: C) Carbon dioxide

3. The process by which green plants prepare their food is called:

- A) Respiration
- B) Photosynthesis
- C) Transpiration
- D) Digestion

Answer: B) Photosynthesis

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

- A) Coal
- B) Petroleum
- C) Solar Energy
- D) Natural Gas

Answer: C) Solar Energy

5. Acid rain is mainly caused by:

- A) Carbon dioxide and methane
- B) Sulphur dioxide and nitrogen oxides
- C) Oxygen and nitrogen
- D) Hydrogen and helium

Answer: B) Sulphur dioxide and nitrogen oxides

6. The Chipko Movement is associated with:

- A) Wildlife Protection
- B) Forest Conservation
- C) Water Conservation
- D) Soil Conservation

Answer: B) Forest Conservation

7. Which of the following is a biodegradable waste?

- A) Plastic bottle
- B) Glass
- C) Vegetable peels
- D) Aluminum can

Answer: C) Vegetable peels

8. The largest source of freshwater on Earth is:

- A) Rivers
- B) Lakes
- C) Glaciers and Ice Caps
- D) Groundwater

Answer: C) Glaciers and Ice Caps

9. Which organization conducts environmental impact assessments in India under the Ministry of Environment?

- A) ISRO
- B) CPCB
- C) RBI
- D) BARC

Answer: B) CPCB

10. Which is the first national park established in India?

- A) Kaziranga National Park
- B) Jim Corbett National Park
- C) Bandipur National Park
- D) Periyar National Park

Answer: B) Jim Corbett National Park

11. The "Green Lungs" of the Earth are:

- A) Oceans
- B) Grasslands
- C) Forests
- D) Mountains

Answer: C) Forests

12. Which of the following is a non-renewable natural resource?

- A) Wind
- B) Solar Energy
- C) Coal
- D) Biomass

Answer: C) Coal

13. The headquarters of the United Nations Environment Programme (UNEP) is located in:

- A) Geneva
- B) Paris
- C) Nairobi
- D) New York

Answer: C) Nairobi

14. Which of the following is a greenhouse gas?

- A) Nitrogen
- B) Oxygen
- C) Methane
- D) Argon

Answer: C) Methane

15. The Silent Valley National Park is located in:

- A) Tamil Nadu
- B) Karnataka
- C) Kerala
- D) Goa

Answer: C) Kerala

16. The main objective of the Paris Agreement is to:

- A) Increase industrial production
- B) Reduce greenhouse gas emissions
- C) Promote mining activities
- D) Increase fossil fuel use

Answer: B) Reduce greenhouse gas emissions

17. Which of the following is an example of an ecosystem?

- A) Desert
- B) Pond
- C) Forest
- D) All of the above

Answer: D) All of the above

18. The 3Rs of waste management stand for:

- A) Reduce, Reuse, Recycle
- B) Remove, Rebuild, Recycle
- C) Recover, Reduce, Return
- D) Refill, Remove, Rebuild

Answer: A) Reduce, Reuse, Recycle

19. Which gas is responsible for ozone depletion?

- A) Carbon dioxide
- B) Methane
- C) Chlorofluorocarbons (CFCs)
- D) Oxygen

Answer: C) Chlorofluorocarbons (CFCs)

20. Biodiversity refers to:

- A) Variety of plants only
- B) Variety of animals only
- C) Variety of living organisms
- D) Variety of minerals

Answer: C) Variety of living organisms

21. Which of the following is a biodiversity hotspot in India?

- A) Western Ghats
- B) Thar Desert
- C) Indo-Gangetic Plain
- D) Deccan Plateau

Answer: A) Western Ghats

22. Which environmental day is observed on June 5 every year?

- A) Earth Day
- B) World Environment Day
- C) Water Day
- D) Ozone Day

Answer: B) World Environment Day

23. Which of the following is an air pollutant?

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

Answer: C) Carbon monoxide

24. The Wildlife Protection Act in India was enacted in:

- A) 1972
- B) 1980
- C) 1986
- D) 1991

Answer: A) 1972

25. Which of the following causes eutrophication in water bodies?

- A) Excess nutrients from fertilizers
- B) Wind erosion

- C) Deforestation
- D) Earthquakes

Answer: A) Excess nutrients from fertilizers

26. The Environment (Protection) Act of India came into force in:

- A) 1972
- B) 1986
- C) 1992
- D) 2002

Answer: B) 1986

27. Which of the following is an example of ex-situ conservation?

- A) Wildlife Sanctuary
- B) National Park
- C) Botanical Garden
- D) Biosphere Reserve

Answer: C) Botanical Garden

28. Which state in India has the largest forest cover by area?

- A) Kerala
- B) Madhya Pradesh
- C) Assam
- D) Rajasthan

Answer: B) Madhya Pradesh

29. The Ramsar Convention is related to:

- A) Forest Conservation
- B) Wetland Conservation
- C) Air Pollution Control
- D) Desertification Control

Answer: B) Wetland Conservation

30. Which of the following is known as the "lungs of Kerala" due to its rich biodiversity?

- A) Wayanad Wildlife Sanctuary
- B) Silent Valley National Park
- C) Eravikulam National Park
- D) Periyar Tiger Reserve

Answer: B) Silent Valley National Park

31. Which of the following is the largest source of air pollution in urban areas?

- A) Forest fires
- B) Volcanic eruptions
- C) Vehicular emissions
- D) Ocean currents

Answer: C) Vehicular emissions

32. Which of the following is known as the "Red Data Book"?

- A) A list of endangered species
- B) A list of polluted rivers
- C) A book on climate change
- D) A list of national parks

Answer: A) A list of endangered species

33. The term "ecology" was first coined by:

- A) Charles Darwin
- B) Ernst Haeckel
- C) Gregor Mendel
- D) Linnaeus

Answer: B) Ernst Haeckel

34. Which of the following is an example of a primary consumer?

- A) Tiger
- B) Deer
- C) Eagle
- D) Snake

Answer: B) Deer

35. Which layer of the atmosphere is responsible for weather phenomena?

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

Answer: D) Troposphere

36. Which among the following is a major source of groundwater pollution?

- A) Industrial waste
- B) Plastic bags
- C) Noise pollution
- D) Wind erosion

Answer: A) Industrial waste

37. The term "carbon footprint" refers to:

- A) Carbon stored in soil
- B) Total greenhouse gas emissions caused by an individual or activity
- C) Carbon present in forests
- D) Carbon found in coal mines

Answer: B) Total greenhouse gas emissions caused by an individual or activity

38. Which one of the following is an example of an invasive alien species in India?

- A) Neem
- B) Eucalyptus
- C) Lantana camara
- D) Banyan

Answer: C) Lantana camara

39. Which of the following is the cleanest fossil fuel?

- A) Coal
- B) Petroleum
- C) Natural Gas
- D) Peat

Answer: C) Natural Gas

40. The headquarters of the Central Pollution Control Board (CPCB) is located in:

- A) Mumbai
- B) Chennai
- C) New Delhi
- D) Bengaluru

Answer: C) New Delhi

41. Which of the following is a greenhouse gas with the highest global warming potential?

- A) Carbon dioxide
- B) Methane
- C) Nitrous oxide
- D) Sulphur hexafluoride (SF₆)

Answer: D) Sulphur hexafluoride (SF₆)

42. The biological method of pest control involves:

- A) Chemical pesticides
- B) Burning crops
- C) Using natural predators
- D) Mechanical traps only

Answer: C) Using natural predators

43. Which of the following is an example of in-situ conservation?

- A) Zoo
- B) Botanical Garden
- C) Seed Bank
- D) Wildlife Sanctuary

Answer: D) Wildlife Sanctuary

44. Which gas constitutes about 78% of Earth's atmosphere?

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

Answer: B) Nitrogen

45. The process of converting waste materials into reusable materials is called:

- A) Composting
- B) Recycling
- C) Incineration
- D) Landfilling

Answer: B) Recycling

46. Which of the following is India's first biosphere reserve?

- A) Nilgiri Biosphere Reserve
- B) Nanda Devi Biosphere Reserve
- C) Sundarbans Biosphere Reserve
- D) Gulf of Mannar Biosphere Reserve

Answer: A) Nilgiri Biosphere Reserve

47. Which international agreement aims to phase out ozone-depleting substances?

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

Answer: C) Montreal Protocol

48. Which one of the following is a secondary air pollutant?

- A) Carbon monoxide
- B) Sulphur dioxide
- C) Ozone (at ground level)
- D) Lead

Answer: C) Ozone (at ground level)

49. The major cause of global sea level rise is:

- A) Increased rainfall only
- B) Earthquakes
- C) Melting glaciers and thermal expansion of seawater
- D) River pollution

Answer: C) Melting glaciers and thermal expansion of seawater

50. Which of the following environmental movements originated in Kerala?

- A) Chipko Movement
- B) Silent Valley Movement
- C) Appiko Movement
- D) Bishnoi Movement

Answer: B) Silent Valley Movement