LIVE SESSION

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MADE EASY Faculty

Concept Through Questions

CTQ'S Series

RRB JE-2024 CBT-1

ENVIRONMENT

Lecture - 10

1. Which of the following is not a primary greenhouse gas?

(a) Carbon dioxide (CO_2)

(b) Methane (CH_4)

(c) Nitrous oxide (N_2O)

(d) Oxygen (O_2)

2. The ozone layer is found in which part of the atmosphere?

(a) Troposphere
(b) Stratosphere
(c) Mesosphere
(d) Thermosphere

3. Which of the following is considered a non-renewable resource?

(a) Solar energy

(b) Wind energy

(c) Coal

(d) Geothermal energy

4. Which of the following is the largest contributor to global deforestation?

(a) Urbanization
(b) Agriculture
(c) Mining
(d) Forestry

5. What is the main cause of acid rain?

(a) Sulfur dioxide (SO_2) and nitrogen oxides (NO_x)

(b) Carbon dioxide (CO_2)

(c) Ozone depletion

(d) Chlorofluorocarbons (CFCs)

6. The “Paris Agreement” is primarily aimed at addressing which global issue?

(a) Biodiversity loss

(b) Deforestation

(c) Climate change

(d) Ocean pollution

7. Which of the following is an example of a renewable energy source?

(a) Coal

(b) Natural gas

(c) Wind energy

(d) Nuclear energy

8. What is the process by which plants absorb CO_2 and release oxygen?

(a) Respiration
(b) Photosynthesis
(c) Transpiration
(d) Combustion

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

(a) Increased ultraviolet radiation reaching the Earth

(b) Higher global temperatures

(c) Increased methane concentrations in the atmosphere

(d) More acid rain

10. The Kyoto Protocol aims to reduce emissions of which of the following?

(a) Carbon dioxide (CO_2)

(b) Chlorofluorocarbons (CFCs)

(c) Methane (CH_4)

(d) All of the above

11. Which of the following is not an effect of global warming?

(a) Melting of polar ice caps

(b) Rising sea levels

(c) Increased frequency of extreme weather events

(d) Decreased carbon dioxide levels in the atmosphere

12. Which of the following species is considered endangered due to habitat loss and poaching?

(a) African Elephant
(b) Bengal Tiger
(c) Blue Whale
(d) All of the above

13. Which of the following is an example of a carbon sink?

(a) Forests

(b) Fossil fuels

(c) Ocean currents

(d) Industrial emissions

14. What does the term “biodiversity” refer to?

(a) The variety of ecosystems in a given area

(b) The variety of species in a given area

(c) The variety of genes in a population

(d) All of the above

15. Which of the following is a major threat to marine biodiversity?

(a) Overfishing
(b) Climate change
(c) Pollution
(d) All of the above

16. Which of the following gases is responsible for the greenhouse effect?

(a) Oxygen

(b) Nitrogen

(c) Methane

(d) Hydrogen

17. What does the term “ecological footprint” refer to?

(a) The amount of carbon dioxide emitted by human activities

(b) The total land and water area required to support human life

(c) The rate at which species go extinct

(d) The capacity of ecosystems to produce renewable resources

18. Which of the following is not a consequence of deforestation?

(a) Loss of biodiversity

(b) Increased atmospheric CO_2 levels

(c) Soil erosion

(d) Increased oxygen production

19. The "Chipko Movement" in India is associated with which of the following?

(a) Water conservation

(b) Forest conservation

(c) Air pollution control

(d) Wildlife protection

20. Which of the following is an example of water pollution caused by human activities?

(a) Ocean acidification

(b) Oil spills

(c) Algal blooms

(d) All of the above

21. What is the main component of “smog” in urban areas?

(a) Carbon monoxide

(b) Nitrogen oxides and volatile organic compounds

(c) Ozone

(d) Sulfur dioxide

22. What is the largest source of plastic pollution in oceans?

(a) Fishing nets

(b) Microplastics from cosmetics

(c) Plastic bottles and packaging

(d) Chemical waste

23. Which of the following countries is leading in the adoption of solar energy?

(a) United States

(b) China

(c) Germany

(d) India

24. What is the primary cause of the "Greenhouse Effect"?

(a) Overuse of fossil fuels

(b) Deforestation

(c) Release of greenhouse gases into the atmosphere

(d) Use of ozone-depleting chemicals

25. Which of the following is a sustainable method of farming?

(a) Slash-and-burn agriculture

(b) Monoculture farming

(c) Organic farming

(d) Industrial farming

26. What is the "Red List" maintained by the International Union for Conservation of Nature (IUCN)?

(a) A list of endangered species

(b) A list of polluted ecosystems

(c) A list of countries contributing to deforestation

(d) A list of species used in traditional medicine

27. Which of the following is a direct consequence of climate change?

(a) Increased frequency of droughts

(b) Ocean acidification

(c) Melting of polar ice caps

(d) All of the above

28. Which of the following is a major component of biogeochemical cycles?

(a) Carbon

(b) Nitrogen

(c) Water

(d) All of the above

29. What is “reforestation”?

(a) Planting trees in a deforested area

(b) Cutting down trees for timber

(c) Conservation of existing forests

(d) Destruction of forests for urbanization

30. What is the purpose of a “carbon credit”?

(a) To reduce deforestation

(b) To limit greenhouse gas emissions

(c) To promote the use of renewable energy

(d) To offset air pollution

31. Which of the following is considered a non-point source of pollution?

(a) Factory waste discharge

(b) Sewage treatment plant

(c) Agricultural runoff

(d) Industrial smoke stacks

32. Which type of ecosystem has the highest biodiversity?

(a) Deserts

(b) Tropical rainforests

(c) Temperate forests

(d) Grasslands

33. Which of the following pollutants is primarily responsible for the depletion of the ozone layer?

(a) Carbon dioxide

(b) Methane

(c) CFCs (Chlorofluorocarbons)

(d) Nitrous oxide

34. What is the "Kyoto Protocol" primarily focused on?

(a) Protecting endangered species

(b) Reducing global greenhouse gas emissions

(c) Limiting deforestation

(d) Controlling ocean pollution

35. Which of the following is an example of an ecosystem service provided by forests?

(a) Carbon sequestration

(b) Timber production

(c) Soil fertility

(d) All of the above

36. Which is the largest carbon emitter in the world as of recent data?

(a) India

(b) United States

(c) China

(d) Russia

37. Which gas is most responsible for the depletion of the ozone layer?

(a) Nitrogen

(b) Carbon dioxide

(c) Chlorofluorocarbons (CFCs)

(d) Methane

38. Which of the following best defines "sustainability"?

(a) Using resources at an unsustainable rate

(b) Meeting the needs of the present without compromising the ability of future generations to meet their own needs

(c) Focusing only on economic growth

(d) Conserving only natural resources

39. What is the term for the gradual increase in the Earth's average surface temperature due to human activities?

(a) Global warming
(b) Acidification
(c) Eutrophication
(d) Ozone depletion

40. What is the primary function of the United Nations Environment Programme (UNEP)?

(a) Regulating air and water quality standards

(b) Coordinating international efforts to address environmental issues

(c) Managing wildlife conservation programs

(d) Promoting the use of renewable energy

41. Which of the following is the main driver of ocean acidification?

(a) Overfishing

(b) Excess carbon dioxide (CO_2) absorption by oceans

(c) Oil spills

(d) Increased plastic pollution

42. Which of the following is the primary source of nitrogen pollution in water bodies?

(a) Industrial waste

(b) Agricultural runoff

(c) Plastic pollution

(d) Deforestation

43. Which of the following is not an effect of deforestation?

(a) Increased biodiversity

(b) Soil erosion

(c) Climate change

(d) Loss of habitat for wildlife

44. What does the term “carbon offset” refer to?

(a) Reducing carbon emissions at the source

(b) Purchasing credits to compensate for carbon emissions elsewhere

(c) Storing carbon dioxide underground

(d) Reducing methane emissions

45. Which of the following is an example of a biotic factor in an ecosystem?

(a) Water temperature

(b) Soil composition

(c) Predators

(d) Sunlight

46. Which of the following pollutants is most responsible for smog formation in urban areas?

(a) Carbon monoxide

(b) Nitrogen dioxide

(c) Ozone

(d) Sulfur dioxide

47. Which of the following best describes "sustainable development"?

(a) Focusing solely on environmental issues

(b) Prioritizing economic growth over environmental concerns

(c) Meeting the needs of the present without compromising future generations

(d) Promoting the use of fossil fuels for energy

48. Which of the following species is known as a "keystone species"?

(a) African Elephant

(b) Killer Whale

(c) Sea Otter

(d) All of the above

49. What is the primary objective of the "Montreal Protocol"?

(a) Reducing greenhouse gas emissions
(b) Protecting biodiversity
(c) Phasing out ozone-depleting chemicals
(d) Combatting deforestation

50. Which of the following is an effect of overfishing?

(a) Depletion of fish stocks

(b) Ocean acidification

(c) Increase in marine biodiversity

(d) None of the above