

# Environmental Science Mcq's

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## Multiple-Choice Questions

1. Which of the following is the main reason for producing the atmospheric greenhouse effect?

- a) Absorption and re-emission of ultraviolet radiations by the atmosphere
- b) Absorption and re-emission of infrared radiations by the atmosphere ✓
- c) Absorption and re-emission of visible light by the atmosphere
- d) None of the above

2. The salinization can be defined as -

- a) Accumulation of salts in the body
- b) Accumulation of salts in water
- c) Accumulation of salts in animals
- d) Accumulation of salts in the soil ✓

3. The main reason for the blueness of the sky is –

- a) Due to the presence of water vapor
- b) Due to the absorption of blue light due to the air
- c) Due to the scattering of sunlight by air molecules ✓
- d) None of the above

4. Which of the following is the cause of soil pollution?

- a) Ozone
- b) Aerosol
- c) Acid rain ✓
- d) None of the above

5. What is the water vapor?

- a) It is the gaseous phase of water ✓
- b) It is a rain droplet
- c) Water vapor is the cloud droplet
- d) None of the above

6. Which of the following is the cause of Melanoma (skin cancer)?

- a) Acid rain
- b) Allergens

- c) Ozone depletion ✓
- d) None of the above

7. The yellowness of the Taj Mahal is an effect of -

- a) Acid rain ✓
- b) Allergens
- c) Ozone depletion
- d) None of the above

8. The part of the plant that evaporates water is -

- a) Fruit
- b) Stomata ✓
- c) Root
- d) None of the above

9. Which of the following gas is present in the air in maximum amount?

- a) Nitrogen ✓
- b) Oxygen
- c) Carbon dioxide
- d) Methane

10. The solar cell converts which energy into electrical energy?

- a) Chemical energy
- b) Solar energy ✓
- c) Magnetic energy
- d) None of the above

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

- a) Coal
- b) Uranium
- c) Wind ✓
- d) None of the above

12. The process of changing the solid into a liquid by supplying the heat is called as -

- a) Melting ✓
- b) Evaporation
- c) Boiling
- d) Condensation

13. The pollutants that are decomposable and manageable in nature are termed as –

- a) Renewable pollutants
- b) Non-biodegradable pollutants
- c) Biodegradable pollutants ✓
- d) None of the above

14. The uses of Chlorofluorocarbons (CFCs) are in –

- a) Insulators
- b) Aerosol propellants
- c) Refrigerants
- d) of the above ✓

15. Which of the following is the hottest planet of the solar system?

- a) Venus ✓
- b) Mercury
- c) Jupiter
- d) Uranus

16. Which of the following gas destroys the chlorophyll present in the plant leaves?

- a) SO<sub>3</sub>
- b) H<sub>2</sub>S
- c) SO<sub>2</sub> ✓
- d) CO

17. Which of the following are the negative health effects of noise pollution?

- a) Hypertension
- b) Hearing loss
- c) Stress and headache
- d) All of the above ✓

18. Which of the following is the coldest planet of the solar system?

- a) Venus
- b) Neptune ✓
- c) Jupiter
- d) Mercury

19. On which day is World Environment Day celebrated?

- a) 5th April

- b) 15th May
- c) 5th June ✓
- d) 25th April

20. CNG stands for -

- a) Common Natural gas
- b) Compressed National gas
- c) Compressed Natural gas ✓
- d) Certified National gas

21. Which of the following is the first trophic level in the food chain?

- a) Herbivores
- b) Carnivores
- c) Green Plants ✓
- d) All of the above

22. Which of the following device is used to measure the atmospheric humidity?

- a) Photometer
- b) Auxanometer
- c) Hygrometer ✓
- d) None of the above

23. Which of the following gas affects human health by reducing the blood's ability to carry oxygen to different parts of the body?

- a) Carbon monoxide ✓
- b) Carbon dioxide
- c) Sulphur dioxide
- d) Nitrous dioxide

24. The air pollutants are mainly classified as\_\_\_\_\_

- a) Point source and non-point source
- b) Primary and secondary pollutants ✓
- c) Natural or anthropogenic pollutants
- d) None of the above

25. Intake of lead may primarily cause damage of the\_\_\_\_\_

- a) Brain ✓
- b) Liver

- c) Lung
- d) Kidney

26. Which of the following is a water-borne disease?

- a) Blue baby syndrome
- b) Typhoid
- c) Meningitis
- d) Cholera ✓

27. The protocol which decided to completely phase out CFC is

- a) Cartagena protocol
- b) Stockholm Convention
- c) Montreal protocol ✓
- d) Kyoto protocol

28. There are ----- components of an ecosystem

- a) Two ✓
- b) Three
- c) Four
- d) Five

29. Temperature, humidity and light are examples of

- a) Abiotic ✓
- b) Biotic
- c) Energy
- d) All of these

30. Carbohydrates, Lipids and humic substances are

- a) Inorganic
- b) Organic ✓
- c) Chemical
- d) Social

31. ----- are the green plants that manufacture food for the entire ecosystem

- a) Decomposers
- b) Consumers
- c) Producers ✓
- d) None of these

32. Addition or presence of undesirable substances in water is

- a) Water pollution ✓
- b) Saline water
- c) Water waste
- d) None of these

33. Kyoto Protocol entered into force

- a) 2002
- b) 2003
- c) 2005 ✓
- d) None of these

34. Cutting of trees on a large scale is

- a) Deforestation ✓
- b) Reforestation
- c) Both a and b
- d) None of these

35. Below which of the following pH is rain regarded as 'acid rain'?

- a) 7
- b) 7.3
- c) 5.6 ✓
- d) 6

36. Which of the following gases are the main contributors to acid rain?

- a) Carbon dioxide and carbon monoxide
- b) Sulphur dioxide and carbon dioxide
- c) Sulphur dioxide and nitrogen dioxide
- d) Sulphur dioxide and nitrous oxide ✓

37. A category of threatened species include:

- a) Only vulnerable species
- b) Only endangered species
- c) Endangered and rare species
- d) Endangered, vulnerable and rare species ✓

38. Which of these is the most effective means of Conserving Biodiversity?

- a) Preserve habitats ✓

- b) Get rid of predators
- c) Census species during the breeding season
- d) Vaccinate species against diseases

39. Which of the following options is correct when we only accomplish two out of three pillars of sustainable development?

- a) Economic + Environmental sustainability = Viable
- b) Social + Environmental sustainability = Bearable
- c) Social + Economic sustainability = Equitable
- d) All of the above ✓

40. In which year did the word 'sustainable development' come into existence?

- a) 1992
- b) 1978
- c) 1980 ✓
- d) 1987

41. What is sustainable development?

- a) The development that meets the needs of the present without compromising the ability of future generations to meet their own needs. ✓
- b) To conserve natural resources and to develop alternate sources of power while reducing pollution and harm to the environment.
- c) It is the practice of developing land and construction projects in a manner that reduces their impact on the environment by allowing them to create energy-efficient models of self-sufficiency.
- d) All of the above

42. The term biosphere refers to

- a) Rocks and minerals
- b) Plants and animals
- c) Water sources
- d) Atmosphere and lithosphere ✓

43. The boundary between troposphere and stratosphere is known as

- a) Tropopause ✓
- b) Ionopause
- c) Stratopause
- d) Mesopause

44. Ozone hole is

- a) Increase in the concentration of ozone
- b) Hole in the ozone layer
- c) Depletion of the ozone layer in the troposphere
- d) Depletion of the ozone layer in the stratosphere ✓

45. Which among the following does not cause pollution?

- a) Automobiles
- b) Thermal power plant
- c) Hydro-electric plant ✓
- d) Nuclear power plant

46. The main constituents of the atmosphere are

- a) N<sub>2</sub> and O<sub>2</sub> ✓
- b) CO<sub>2</sub> and N<sub>2</sub>
- c) CO and CO<sub>2</sub>
- d) O<sub>3</sub> and SO<sub>2</sub>

All Credit goes to Prof Farah Aslam