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1. **Euhaline, polyhaline, mesohaline and oligohaline are the terms used in studies related to**
- a) Eutrophication b) River c) Estuary d) Watershed
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2. **Disinfection refers to**
- a) Killing microbes b) Selective killing of pathogens
c) Process of infection d) Cleaning
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3. **Which one of the following has the highest global warming potential?**
- a) Water vapour b) CO_2 c) CH_4 d) CO
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4. **Drillosphere is related to**
- a) Algae b) Bacteria c) Fungi d) Earthworms
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5. **The dark / black colour of the sewage is due to**
- a) Lack of nutrients b) Presence of Bacteria
c) Lack of Dissolved Oxygen d) Presence of chemicals
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6. **Identify quick lime from the following :**
- a) Ca OH b) Ca O c) Ca CO_3 d) Ca HCO_3
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7. **Identify 'horn wort' from the following :**
- a) Lycopodium b) Anthoceros c) Riccia d) Gnetum
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8. **'Bitumen' is**
- a) An alloy b) A metal
c) A radioactive isotope d) Tar like hydrocarbon

9. Which among the following was due to Cadmium pollution?

- a) Minamata disease b) Itai-Itai c) Scurvy d) dengue
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10. Identify the most abundant fossil fuel in planet Earth

- a) Petroleum b) Peat c) Coal d) Charcoal
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11. is readily fissionable also the most preferred fuel in nuclear power plants

- a) 238 Uranium b) 235 Uranium c) 60 Cobalt d) 239 Plutonium
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12. Wind speed / velocity is measured by :

- a) Altimeter b) Anemometer c) Galvanometer d) Audiometer
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13. Fuel made by mixing alcohol and petrol is known as

- a) Gasoline b) Alcolgasol c) Gasohol d) Ethylgasoline
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14. 'Pyrology' is the study of

- a) Distribution of animals in relation to temperature
b) Role of fire in ecology
c) Distribution of plants in forests in relation to light
d) Variation in species distribution in relation to ambient temperature
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15. Exxon Valdez is related with :

- a) Nuclear disaster b) Air crash c) Great oil spill d) Radioactive waste
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16. Brundland Commission report is

- a) Agenda 21 b) Sustainability Report
c) Our Common Future d) Climate Change report

17. Example of a carnivorous plant is
- a) Utricularia b) Lemna c) Usnea d) Lantana
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18. 'Solar ponds' function based on
- a) Photonics b) non- convection c) Transpiration d) convection
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19. Downward movement of huge mass of ice is
- a) Permafrost b) Ice slide c) Avalanche d) Continental drift
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20. Biodegradable plastics contain
- a) PAH b) PCB c) PHA d) POP
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21. The salt concentration in the open sea is:
- a) 1.5 % b) 2.5 % c) 3.0 % d) 3.5 %
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22. Natural gas is primarily composed of
- a) n-butane b) n-octane c) Mercapton d) Methane
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23. 'Denitrifiers' do the job of converting
- a) NH_4 in to NO_2 b) NH_4 in to NO_3
c) NO_3 in to Nitrogen d) Nitrogen in to NO_3
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24. 'Dobson' is the unit to measure
- a) Greenhouse gases b) Trace gases in the atmosphere
c) Ozone in the Stratosphere d) Toxicity of heavy metals
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25. Secchi discs are used in studies.
- a) Air quality b) Microbiological c) Water quality d) Quadrante

26. HCl changes the colour of

- a) dry litmus paper b) wet litmus paper
c) both dry and wet litmus paper d) none of the above
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27. Baking powder is

- a) a mixture b) a compound c) an element d) a salt
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28. The nature of tooth paste commonly used is

- a) acidic b) neutral c) basic d) corrosive
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29. The most abundant metal in the earth's crust is

- a) iron b) copper c) aluminium d) mercury
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30. The example of liquid as dispersed medium in colloidal system is

- a) smoke b) milk c) fog d) cheese
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31. Alum purify water by

- a) dialysis b) adsorption c) coagulation d) Forming a true solution
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32. Which metal is present in brass, bronze and german silver

- a) zinc b) iron c) aluminium d) copper
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33. Acid rain is caused due to

- a) $\text{CO}_2, \text{O}_2, \text{SO}_2$ b) $\text{CO}_2, \text{NO}_2, \text{H}_2$ c) $\text{N}_2, \text{O}_2, \text{SO}_2$ d) $\text{CO}_2, \text{NO}_2, \text{SO}_2$
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34. The industrial waste is in nature

- a) acidic b) basic c) neutral d) both a and b
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35. Why bases are kept in glass bottles?

- a) they produce hydroxyl ions in aqueous solutions
 - b) they are conducting in nature
 - c) are corrosive in nature
 - d) they have soapy texture
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36. Gamma rays are

- a) high energy electrons
 - b) low energy electrons
 - c) high energy protons
 - d) high energy electromagnetic waves
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37. Ethers are isomeric with

- a) aldehydes
 - b) vinyl alcohols
 - c) alcohols
 - d) aldehydes
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38. Which acid is present in vinegar

- a) hydrochloric acid
 - b) acetic acid
 - c) citric acid
 - d) tartaric acid
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39. The monomer units of starch are

- a) α - glucose
 - b) β - glucose
 - c) pyranose
 - d) galactose
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40. Enzymes are regarded as

- a) biocatalysts
 - b) activators
 - c) messengers
 - d) antibodies
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41. Which agency is taking care of case related to environmental problems in India

- a) State Biodiversity board
 - b) Haritha tribunal
 - c) Central biodiversity board
 - d) MoEF
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42. Who started earth day?

- a) Gaylord Nelson
- b) G.H. Brundland
- c) Rachel Carson
- d) S. Bahuguna

43. Which National park is famous for Nilgiri Marten?

- a) Silent Valley b) Eravikulam c) Pampadum shola d) Mathikettan shola
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44. How many Tiger reserves are in Kerala

- a) 4 b) 5 c) 3 d) 2
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45. Name of the chemical emitted during the burning of plastic

- a) PCB b) Dioxin c) Mercury d) Poly Aromatic HC
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46. Name the environmental movement against Sardar Sarovar project

- a) Chipk b) Narmada Bachao Andholan c) Apipko d) Silent valley
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47. Which one is the first biosphere reserve in India?

- a) Agastyamala b) Jim Corbet c) Nilgiri d) Eastern Himalaya
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48. What is the present average concentration of CO₂ in the atmosphere?

- a) 200ppm b) 350ppm c) 380ppm d) 400ppm
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49. Which one is the eastern flowing river in Kerala?

- a) Pampar b) Chandragiri d) Uppala c) Kallada
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50. Which of the following is not a biomagnifying pollutant?

- a) Methyl mercury b) DDT c) Mercuric chloride d) Endosulfan