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Question Paper Version : B

First/Second Semester B.E Degree Examination, June/July 2014
Environmental Studies

(COMMON TO ALL BRANCHES)

Time: 2 hrs.]

[Max. Marks: 50]

INSTRUCTIONS TO THE CANDIDATES

1. Answer all the fifty questions, each question carries **ONE** mark.
2. Use only **Black ball point pen** for writing / darkening the circles.
3. For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the OMR sheet.
4. Darkening two circles for the same question makes the answer invalid.
5. **Damaging/overwriting, using whiteners** on the **OMR** sheets are strictly prohibited.

1. Amount of carbon dioxide present in atmospheric air is
a) 21% b) 0.383% c) 78% d) 0.318%
2. Estuary means
a) Rich in nutrients b) End point of the river
c) Meeting place of river and sea d) Treatment of water
3. Physical pollution of water is due to
a) Chlorides b) Turbidity c) PH d) All of these
4. Control of water Borne diseases can be achieved effectively in a community by
a) Defluoridation b) Disinfection c) Sterilization d) Vaccination
5. Ozone layer thickness is measured in which units
a) PPM b) PPB c) Db d) DU
6. Demography means
a) Study on forest b) Study on Human activities
c) Study on earthquake d) Study on population growth
7. Freon's are called
a) Hydrocarbons b) Ozone c) Methane d) Solvents
8. Which of the following is a biodegradable pollutant?
a) DDT b) Sewage c) CFC d) Freon's

9. Percentage of ground water available on Earth's environment is
a) 0.02 b) 0.5 c) 1.5 d) 0.2
10. During green house effect, carbondioxide and water vapours absorbs.
a) Short wave radiations b) Long wave radiations
c) Solar radiation d) UV radiations
11. Bhopal gas tragedy was caused due to leakage of ____
a) CH₄ b) MIC c) SO₂ d) Pesticides
12. Karnataka state pollution control board was established in the year
a) 1984 b) 1976 c) 1974 d) 1983
13. Among all oxides of nitrogen which one is responsible for the formation of acid rain
a) Nitrous oxide b) Nitric oxide
c) Nitrogen Trioxide d) Nitrogen pentoxide
14. The liquid waste generated from municipal solid waste disposal pits is called
a) Solid waste water b) Sewage
c) Leachate d) Compost waste water
15. Minimum allowable limit of noise pollution for Human persistence is ____
a) 40dB b) 90dB c) 45dB d) 55dB
16. Example for tertiary consumers
a) Plants b) Cattle c) Snake d) Elephant
17. As per BIS, the minimum allowable limit of iron content in drinking water is ____
a) 1.0 mg/l b) 0.2 mg/l c) 0.3 mg/l d) 0.5 mg/l
18. In Hydro-power plants, power is generated by ____
a) Solar b) Thermal c) Water d) Coal
19. The PH value of acid rain was recorded in early days
a) 2.5 b) 7.5 c) 4.7 d) 5.7
20. First international earth summit was held at
a) USA b) Russia c) Rio de-Janeiro d) Johannesburg
21. Expansion of the term WWF is ____
a) World wide life force b) World wide forest
c) World wide life forest d) World wild life fund
22. Maximum allowable concentration of total hardness as per BIS in drinking water ____
a) 600 mg/l b) 300 mg/l c) 1000 mg/l d) 250 mg/l
23. Water pollution prevention and control Act was enacted in the year ____
a) 1986 b) 1974 c) 1981 d) 1987

24. Stone cancer is an effect of ____
 a) Climatic change b) Hard water c) Acid rain d) Excess of calcium
25. Most stable Eco-system is ____
 a) Mountain b) Ocean c) Population d) Fossil fuels
26. Anthropogenic activities means.
 a) Natural made b) Biological c) Manmade d) Animal made
27. Which of the following energy source is less eco-friendly?
 a) Wind b) Water c) Solar d) Thermal
28. Which of the following is a biotic component of an ecosystem?
 a) Sunlight b) Fungi c) Temperature d) Water
29. Generation of wind energy is mainly based on which factor
 a) Direction of wind b) Storms c) Velocity of wind d) Wind pressure
30. Example for abiotic component of eco-system
 a) Plants b) Food c) Water d) Live stock
31. Eutrophication means
 a) Quality of water in lakes b) Enrichment of plant nutrients in water
 c) Water purification technique d) Meeting point of river and sea.
32. Earth's body temperature is approximately equal to ____?
 a) 16.4°C b) 16.6°C c) 36°C d) 27.6°C
33. Presence of BOD in drinking water indicates
 a) Rich content of oxygen b) Organic matter
 c) Turbidity d) Physical impurities
34. Which of the following is a natural source of Air pollution?
 a) Acid rain b) Precipitation c) Storms d) Volcanic eruption
35. Effect of carbon monoxide on blood, causing
 a) H_2CO_3 b) COHb c) CO_2Hb d) HbCO_2
36. Ozone is present in which layer of the atmosphere
 a) Ozonosphere b) Stratosphere c) Troposphere d) Ionosphere
37. What is the maximum allowable concentration of fluorides in drinking water?
 a) 1.0 mg/l b) 1.25 mg/l c) 1.50 mg/l d) 1.60 mg/l
38. Which of the following gas is not concern to green house effect?
 a) CO_2 b) CH_4 c) SO_2 d) H_2O vapour
39. Which of the following is not a renewable source of energy?
 a) Solar b) Wind c) Nuclear d) Geo-Thermal

40. Optimum growth of bacteria in favorable PH value of
 a) 6.5 – 8.5 b) 7.0 c) 6.5 – 7.5 d) 7.0 – 14.0
41. HIV can be transmitted to humans through which media?
 a) Air b) Blood c) Virus d) Hereditary
42. Mineral resources are
 a) Renewable b) Fossil fuels c) Non-renewable d) Sedimentary rocks
43. World Ozone day is being celebrating on every year
 a) 15th Sept. b) 16th Oct. c) 16th Sept. d) 22nd April
44. Contribution of carbon dioxide to global warming from industries
 a) 50% b) 24% c) 25% d) 75%
45. Which atmospheric layer is closest to the Earth's surface?
 a) Mesosphere b) Troposphere c) Stratosphere d) Thermosphere.
46. The air prevention and control of pollution Act was enacted in the year ____
 a) 1987 b) 1974 c) 1981 d) 1986
47. Smog is formed by the reaction of which air pollutants
 a) Smoke and Mist. b) Smoke and Fog c) Smoke and Bio-Gas d) Smoke and Dust
48. Which of the following is not a solution for Global Warming?
 a) Reducing use of Fossil fuels b) Planting more trees
 c) Deforestation d) Reducing vehicular transportation
49. Methemoglobinemia is caused by the contamination of water due to ____
 a) Mercury b) Nitrate c) Arsenic d) Nitrates.
50. Earth's Day is celebrated on every year
 a) June 22nd b) Sept.22nd c) April 22nd d) June 5th

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