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Question Paper Version : D

First Semester B.E. Degree Examination, January 2011
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.

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1. The word "ecology" is derived from
   a) Greek b) French c) Spanish d) English

2. Hydrological cycle mainly involves
   a) Air and water b) Sun and water
   c) Animal and water d) Mountain and water

3. The forest is
   a) Abiotic b) Biotic c) Both a and b d) None of these

4. Most biotic resources are
   a) Non-renewable b) Renewable c) Jhum d) None of these

5. Store house of minerals and nutrients is :
   a) Soil b) Water c) Forest d) All of these

6. The word "environment" is derived from
   a) Greek b) French c) Spanish d) English

7. Abiotic components include the
   a) Climate and edaphic factors b) Climate factor
   c) Edaphic factor d) None of these

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8. Natural ecosystem is called
   a) Anthropogenic b) Human activity c) Both a and b d) None of these

9. Hydrosphere denotes
   a) Water b) Plants c) Microorganisms d) Soil

10. Both power and manure is provided by
    a) Nuclear plants b) Thermal Plants
    c) Biogas plants d) Hydroelectric plants

11. World AIDS day is :
    a) 1st July b) 5th June c) 1st December d) 2nd October

12. Study trends in human population growth and prediction of future growth is called
    a) Demography b) Biography c) Kalogrpahy d) Psychology

13. Name the species to which human belongs
    a) Animals b) Plants c) Homosapiens d) All of these

14. What was the human population at the beginning of the 20th century?
    a) 1.2 billion b) 1.6 billion c) 1.8 billion d) 2.0 billion

15. Ozone hole is
    a) Antarctica b) Kautilya c) Earth summit d) All of these

16. Green house effect is related to
    a) Green trees b) CO_2
    c) Chlorofluorocarbons d) Methane

17. Expand WWF
    a) World Wide Life Fund b) World Wide Forest
    c) Both a and b d) None of these

18. Decomposers are
    a) Bacteria and Fungi b) Reducers c) Both a and b d) None of these

19. Large regional unit characterized by Flora and Fauna is
    a) Biosphere b) Biome c) Ecosystem d) All of these

20. One of the inexhaustible resources is
    a) Minerals b) Fossil fuels c) Solar energy d) None of these

21. A distinct unit of life in nature is :
    a) Population b) Ecosystem c) Organisms d) Landscape

22. Name of the scientist who gave the difference between Niche and Habitat, is :
    a) Odum b) Ernest Haeckel c) Grinnell d) Both a and c

23. Construction of dams has
    a) Only merits b) Only demerits
    c) Neither merits nor demerits d) Merits as well as demerits

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24. The sequence of eating and being eaten in an ecosystem is called
a) Food chain b) Hydrological cycle c) Carbon cycle d) Anthropogenic

25. B.O.D. measures
a) Industrial pollution
b) Air pollution
c) Polluting capacity of effluents
d) D.O. needed by microbes for decomposition

26. What is the unit of measurement of sound?
a) dB b) Decibel c) Both a and b d) None of these

27. What is the percentage oxygen present in air?
a) 78.08% b) 21% c) 71% d) 73%

28. Weather conditions determine
a) Wind b) Temperature c) Organisms d) All of these

29. Soil conservation is a process in which
a) Soil is aerated b) Soil erosion is allowed
c) Sterile soil is made fertile d) Soil is protected against loss

30. Expand E.I.A.
a) Environmental Protection Act b) Environmental Impact Assessment
c) Environmental Impact Administration d) All of these

31. The term ecosystem was introduced by
a) Haekel b) Odum c) Tansley d) All of these

32. The short term properties of the atmosphere at a given place and time are referred as
a) Climate b) Season c) Micro climate d) None of these

33. Source of supply is called
a) Resources b) A means of meeting needs
c) Substance available d) Natural substance

34. A major nitrogen storage reservoir is
a) River b) Atmosphere c) Oceans d) Trees

35. The part of the earth in which life exists is known as
a) Lithosphere b) Biosphere c) Atmosphere d) Ionosphere

36. Environment means
a) A beautiful landscape b) Industrial Production
c) Sum total of all condition d) Air and water

37. The UN general assembly proclaimed the universal declaration of human rights in Paris in the year :
a) 1948 b) 1992 c) 1972 d) 1962

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38. The leader of the Chipko movement is :
a) Ambritha Devi b) Jashibhai Patel c) Medha Patekar d) Vandhan Shiva

39. World earth day is :
a) 7th April b) 5th June c) 16th September d) 22nd April

40. Ecosystem has the following major components :
a) Plants, animals and micro organisms b) Flora and Fauna
c) Producers, consumers and decomposers d) Both a and c

41. Which of the following is a green house gas?
a) Oxygen b) SO_2 c) Chlorofluorocarbons d) All of these

42. Taj Mahal at Agra may be damaged by
a) CO_2 b) Chlorine c) Hydrogen d) None of these

43. Troposphere has an altitude range of
a) 11 – 50 km b) 0 – 11 km c) 20 – 80 km d) 80 – 200 km

44. Taungya system is
a) Agro forestry b) Inexhaustible c) Exhaustible d) Mining

45. Lithosphere means
a) Air b) Water c) Micro organism d) Rocks and soil

46. How much percentage of land is covered with forest?
a) 26% b) 19% c) 23% d) 25%

47. Human resource is a
a) Renewable b) Inexhaustible c) All of these d) None of these

48. Excess fluoride in drinking water is likely to cause :
a) Blue babies b) Fluorosis c) Taste and odour d) Irritation

49. Which among the following is a climatic factor?
a) Pressure b) Humidity c) Temperature d) All of these

50. The basic requirements of human beings are provided by
a) Industrialization b) Agriculture c) Development d) Urbanization

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