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**First/Second Semester B.E Degree Examination, June /July 2017**

**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 Earth is surrounded by a blanket of air which is referred to as  
a) Atmosphere      b) Biosphere      c) Hydrosphere      d) Lithosphere
  2. The term Biosphere was coined by scientist from  
a) Romania      b) Russia      c) Spain      d) Sweden
  3. The mantle supporting lithosphere is known as  
a) Asthenosphere      b) Mantle      c) Magma      d) Lava
  4. The by – product in Autotrophs is  
a) Carbon      b) Oxygen      c) Nitrogen      d) Hydrogen
  5. Fungi and Bacteria are  
a) Producers      b) Hyterotrophs      c) Consumers      d) Decomposers
  6. Transpiration by plants is affected by  
a) Temperature      b) Pressre      c) Humidity      d) Gravity
  7. The process leading to soil depletion in situ is known as  
a) Soil degradation      b) Soil erosion      c) Urbanization      d) None

8. Aggregation of clay into sand – sized grains is by  
a) Vegetation                      b) Wild fire                      c) Conservation                      d) Overgrazing
9. Removal of trees cause  
a) Loss of biodiversity    b) Ecological impact    c) Soil erosion                      d) All of these
10. Consumption of fossil fuels result in  
a) Ozone depletion                      b) Global warming                      c) both                      d) None of the above
11. Marine Iguanas were killed due to oil spill at  
a) Santa Fe                      b) Andaman                      c) Nicobar                      d) Lakshadweep
12. Arsenic , Fluorides , Phosphates emit from  
a) Dairy plants                      b) Distillery unit                      c) Fertilizer plant                      d) Tanneries
13. Mercaptanes is a gaseous effluent characteristic of  
a) Tanneries                      b) Chemical industry    c) Petrochemicals                      d) All of these
14. As per IS : 10500 – 2003, maximum limit of turbidity is  
a) 5 NTU                      b) 10 NTU                      c) 15 NTU                      d) 20 NTU
15. Typhoid is a disease due to presence of  
a) Bacteria                      b) Fungus                      c) Virus                      d) All
16. Water borne diseases include  
a) Polio                      b) Meningitis                      c) Cholera                      d) All
17. Raw sewage used as fertilizer resulted in cholera at  
a) Palestine                      b) Peru                      c) Paraguay                      d) Panama
18. Methaemoglobinemia is a syndrome due to excess of  
a) Nitrates                      b) Phosphates                      c) Chlorides                      d) Sulphates
19. Limestone reefs are built up by  
a) Corals                      b) Algae                      c) Both                      d) None of these
20. Coal is a dirty fuel because it emits  
a) CO<sub>2</sub>                      b) SO<sub>2</sub>                      c) NO<sub>2</sub>                      d) All
21. Wet gas contains low amounts of  
a) Propane                      b) Pentane                      c) Methane                      d) Hexane
22. Chemical added to detect any leakage of LPG is  
a) Trihydrothiophe                      b) Trinitrothiophene  
c) Tritrohythiophene                      d) Tritronitrothiophene
23. Huge radioactive fallout on life across Europe is due to nuclear disaster at  
a) Cambodia                      b) Cameroon                      c) Chernobyl                      d) Cape Town

24. Nuclear power plant in Karnataka is Situated in  
a) Karwar                      b) Kaiga                      c) Kudremukh                      d) None
25. Tidal energy schemes in India is being experimented in  
a) Mumbai                      b) Kerala                      c) Tamilnadu                      d) Orissa
26. Coal mines result in enhancing hardness of water due to emission of  
a) Sulphuric acid                      b) Nitric acid                      c) Phosphoric acid                      d) All
27. Accelerated Algae and water plant growth is  
a) Putrefaction                      b) Eutrophication                      c) Denitrification                      d) None
28. Silting is encouraged due to photosynthesis of  
a) Algae                      b) Bacteria                      c) Corals                      d) Planktons
29. The word soil is derived from  
a) English                      b) French                      c) Latin                      d) Italian
30. Source of soil pollution is due to  
a) Mining                      b) Biological agents                      c) Urban wastes                      d) All of these
31. Common viruses present in sewage are  
a) Adeno viruses                      b) Anterioviruses                      c) Glutoviruses                      d) All of these
32. Process in which MSW is decomposed is known as  
a) Sanitary landfill                      b) Composting                      c) Incineration                      d) None
33. Progress of a nation depends on  
a) Population density                      b) Literacy rates                      c) Family size                      d) All of these
34. Country not belonging to G7 is  
a) Canada                      b) Britain                      c) Cambodia                      d) Germany
35. Population growth is not the cause of poverty according to  
a) Karl Marx                      b) Napoleon                      c) Nelson Mandela                      d) Lincoln
36. Key remedy for fast population growth happens to be  
a) Prosperity                      b) Nutrition                      c) Social security                      d) All these
37. Major Green House Gas is  
a) CO<sub>2</sub>                      b) CH<sub>4</sub>                      c) CFC                      d) O<sub>3</sub>
38. Kyoto protocol was opened for signature on  
a) February 16, 1998                      b) March 16, 1998                      c) April 16, 1998                      d) May 16, 1998
39. 'Acid Rain' was coined by  
a) Albert Rogers                      b) Albert Agnus                      c) Robert Angus                      d) Alfred Rogers
40. Acid rain can be  
a) Dry                      b) Wet                      c) Both                      d) None of these

41. Lowest  $P^H$  recorded in rainwater is  
a) 1.5                      b) 2.5                      c) 3.5                      d) 4.5
42. Primary cause of acid rain is due to presence of  
a)  $SO_2$                       b)  $CO_2$                       c)  $NO_2$                       d)  $P_2O_5$
43. Invaluable stone statues are partially dissolved by acid rain in  
a) Sweden                      b) Greece                      c) Ukraine                      d) Uganda
44. Acid rain has become an invisible threat particularly in  
a) Turkey                      b) Tuvalu                      c) Japan                      d) Jordan
45. U.N. conference on Human Environment held in  
a) Manchester                      b) Glasgow                      c) Stockholm                      d) Liverpool
46. Air Act extends to  
a) North India                      b) South Central India  
c) Whole of India                      d) Includes Pakistan
47. Water Act in the first instance applies to  
a) Tamilnadu                      b) Andhra Pradesh                      c) Karnataka                      d) Maharashtra
48. Wild Life Act extends in India except  
a) Karnataka                      b) Kerala                      c) Kashmir                      d) Assam
49. On 29<sup>th</sup> April 1999, NGO's are signified by UN  
a) President                      b) Secretary General                      c) Chief                      d) All
50. Guiding principles for Environmental Education were formulated at conference held in  
a) New York                      b) Tbilisi                      c) Los Angeles                      d) Brimingham

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