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**First/Second Semester B.E Degree Examination, June /July 2016**  
**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 study of interaction between living organisms and environment is called as –  
a) Ecosystem                      b) Ecology                      c) phytogeography                      d) phytosociology
  2. Soil Erosion can be prevented by –  
a) Overgrazing                      b) Soil Erosion                      c) Afforestation                      d) Deforestation
  3. Khetri (Rajasthan) is famous for –  
a) Gold mines                      b) Copper mines                      c) Granite stone                      d) Marble stone
  4. Which one of the following is an abiotic component of the ecosystem  
a) Bacteria                      b) Plant                      c) Human                      d) Fungi
  5. Increase in fauna and decrease in flora would be harmful due to increase in  
a) Diseases                      b) CO<sub>2</sub>                      c) O<sub>2</sub>                      d) Radioactive pollution
  6. Acid rain is caused by increase in the atmospheric concentration of –  
a) Ozone and dust                      b) SO<sub>2</sub> and NO<sub>2</sub>                      c) SO<sub>3</sub> and CO                      d) SO<sub>2</sub> and Cr
  7. Gas leaked in Bhopal tragedy was –  
a) Potassium isothiocyanate                      b) Sodium isothiocyanate  
c) Ethyle isocyanate                      d) Methyl isocyanate

8. Biochemical oxygen demand measures  
a) Industrial pollution  
b) Air pollutions  
c) Polluting capacity of effluents  
d) Dissolved oxygen needed to decompose organic matter
9. The ultraviolet radiation in the stratosphere are absorbed by –  
a) Ozone                      b) Oxygen                      c) Sulphur dioxide      d) Argon
10. Which of the following is not a green house gas?  
a) Oxygen                      b) Carbon dioxide      c) Chlorofluro carbon      d) Methane
11. Formation of hole in ozone layer is maximum over –  
a) India                      b) Antarctica                      c) Europe                      d) Africa
12. Study of trends in human population growth and prediction of future growth is called –  
a) Demography                      b) Biography                      c) Kalography                      d) Psychology
13. Vasectomy is the method of sterilization in –  
a) Man                      b) Woman  
c) Both man and Woman                      d) None of these
14. The world AIDS DAY is recalled on  
a) 1<sup>st</sup> July                      b) 5<sup>th</sup> June                      c) 1<sup>st</sup> December                      d) 2<sup>nd</sup> October
15. ICDS is a welfare scheme for –  
a) Public                      b) Woman                      c) Man                      d) Children
16. The common pollutant present in pond and pools nearby agricultural fields are –  
a) Dust                      b) Straw  
c) Pollens                      d) Chemical fertilizer and pesticides
17. The highest concentration of people with HIV infection have been recorded from –  
a) India                      b) America                      c) China                      d) Africa
18. Which endangered animal is the source of the worlds lightest, warmest and most expansive wool the shahtoash  
a) Chiru                      b) Nilgai                      c) Cheetal                      d) Kasbmiri goat
19. The largest reservoir of nitrogen in our planet is –  
a) Oceans                      b) Atomosphere                      c) Biosphere                      d) Fossil fuels
20. Maximum deposition of DDT will occur in  
a) Phytoplankton                      b) Crab                      c) Eel                      d) Seagull
21. Which of the following is a bio – diversity hotspots in India  
a) Gulf of Mannar                      b) Western Ghats                      c) Pachmorh                      d) Sunderban
22. Which of the following are likely to be present in photochemical smog?  
a) Ozone                      b) Peroxy acetyl nitrates      c) Aldehjes                      d) All the above

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23. Which of the following strategies should be given first preference as far as the management of plastic waste is concerned  
a) Recycle                      b) Reuse                      c) Reduce the usage      d) none of the above
24. Nuclear power plant in Karnataka is located at –  
a) Bhadravathi                  b) Sandur                      c) Raichur                      d) Kaiga
25. Biogas is gaseous fuel composed mainly of  
a) CH<sub>4</sub> and CO<sub>2</sub>                  b) CH<sub>4</sub> and H<sub>2</sub>S                  c) CH<sub>4</sub> and CO                  d) None of the above
26. Physical pollution of water is due to –  
a) D.O                                  b) Turbidity                      c) P<sup>H</sup>                                  d) None
27. Air pollution from automobiles can be controlled by fitting –  
a) Electrostatic precipitator                      b) Wet scrubber  
c) Catalytic converter                                  d) All the above
28. Global warming could affect –  
a) Climate                                  b) Increase in sea level  
c) Melting of glacier                                  d) All the above
29. Environmental (protection) act was enacted in the year –  
a) 1986                                  b) 1992                                  c) 1984                                  d) 1974
30. The water (prevention and control of pollution) act was enacted in the year  
a) 1986                                  b) 1974                                  c) 1994                                  d) 2004
31. World environment day is celebrated on –  
a) 5<sup>th</sup> May                                  b) 5<sup>th</sup> June                                  c) 10<sup>th</sup> July                                  d) 16<sup>th</sup> August
32. Chernobyl nuclear disaster occurred in the year –  
a) 1984                                  b) 1985                                  c) 1986                                  d) 1987
33. Ozone layer thickness is measured in –  
a) Millimolre                                  b) Contionetre                                  c) Decibel                                  d) Debson units
34. Which of the following is a waterborne disease –  
a) Anthrese                                  b) Tuberculosis                                  c) Cholera                                  d) Small pox
35. Which one of the following gas is most abundant in atmosphere?  
a) Methane                                  b) Nitrogen                                  c) CFC                                  d) CO<sub>2</sub>
36. Which of the following is not a method for water conservation –  
a) Rainwater harvesting                                  b) Groundwater extraction  
c) Improving irrigation efficiency                                  d) Avoiding water wastage
37. Silent valley is in –  
a) Andhra Pradesh                                  b) Himachal Pradesh  
c) Kerala                                  d) Tamil Nadu

38. A chronic disease called silicosis involves –  
a) Heart                      b) Lungs                      c) Liver                      d) Kidney
39. Existing oil reserve of the earth could last for about –  
a) 5000 yrs                      b) 500 yrs                      c) 50 yrs                      d) 5 yrs
40. EIA stands for –  
a) Environmental industrial impact                      b) Eco industrial assessment  
c) Eco impact assessment                      d) Environmental impact assessment.
41. Water quality involves measuring the number of colonies of –  
a) Coliform bacteria                      b) Protozoa                      c) Colis                      d) Chromozomes
42. About 3/4<sup>th</sup> of the country's coal deposits are found in –  
a) Karnataka                      b) Tamil Nadu                      c) Kashmir                      d) Bihar and Orissa
43. What would you do to prevent the environmental damage –  
a) Plant tree                      b) Halt deforestation                      c) Control pollution                      d) All the above
44. Which of the following is not a part of the hydrological cycle –  
a) Precipitation                      b) Infiltration                      c) Transpiration                      d) Perspiration
45. Eutrophication is –  
a) An improved quality of water in lakes  
b) A process of carbon cycle  
c) The result of accumulation of plant nutrients in water bodies  
d) a water purification technique
46. Common energy source in Indian villages is –  
a) Electricity                      b) Coal                      c) Sun                      d) Wood and animal dung
47. Chipko movement was started to conserve  
a) Forest                      b) Grassland                      c) Deserts                      d) Soil
48. National park concerned with Rhinoceros is  
a) Corbett                      b) Ranthambore                      c) Kaziranga                      d) Valley of flowers
49. The maximum number of individuals that can be supported by a given environment is called –  
a) Biotic potential                      b) Carrying capacity  
c) Population size                      d) Environmental resistance
50. What is the permissible range of P<sup>H</sup> for drinking water as per the Indian standards?  
a) 6 to 9                      b) 6.5 to 7.5                      c) 6 to 8.5                      d) 6.5 to 8.5.

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