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Question Paper Version : A

**First Semester B.E. Degree Examination, Dec.2015/Jan.2016**

**Environmental Studies  
(COMMON TO ALL BRANCHES)**

Time: 2 hrs.

Max. Marks:40

**INSTRUCTIONS TO THE CANDIDATES**

1. Answer all the forty 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 Environment is derived from,  
a) Greek word                      b) French                      c) English                      d) Spanish
  2. A simple Detritus food chain starts with,  
a) Green plants                      b) Waste of organisms                      c) Soil                      d) None of these
  3. Amount of fresh water availability on earth is,  
a) 2.0 %                      b) 3.5%                      c) 2.2%                      d) 0.6%
  4. Anthropological activities means,  
a) Natural activities                      b) Bacterial activities  
c) Wild animal activities                      d) Human activities
  5. Intensive agriculture led to deposition of excessive quantity of \_\_\_\_\_ into aquatic & terrestrial ecosystem.  
a) Sulphur                      b) Nitrogen                      c) Phosphours                      d) None of these
  6. Sustainable development requires change in,  
a) Utilization of natural resources                      b) Consumption of energy  
c) Elimination of waste                      d) All of these
  7. EIA can be expanded as,  
a) Environment and Impact activities                      b) Envircnmental impact assessment  
c) Environment for agriculture                      d) Envircnment for industrial act.
  8. The upper most layer of atmosphere is called,  
a) Exosphere                      b) Thermosphere                      c) Measosphere                      d) Atmosphere

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.  
2. Any revealing of identification, appeal to evaluator and/or equations written eg. 42+8=50, will be treated as malpractice.

9. Carbon cycle involves,  
 a) Amonia, Nitrate & Prot:ens  
 b) Carbondioxide, water & Energy  
 c) Sulphur dioxide, sulphate  
 d) All of these
10. Dental caries in children may be caused due to water supplies deficient in,  
 a) Fluorides  
 b) Calcium  
 c) Nickel  
 d) Iron
11. As per BIS, the permissible limit of PH value of drinking water is,  
 a) 7.0  
 b) 6.5 – 7.5  
 c) 6.0 – 8.5  
 d) 6.5 – 8.5
12. India has the world's largest share of,  
 a) Manganese  
 b) Copper  
 c) Mica  
 d) Diamond
13. Cow dung can be used as,  
 a) Manure  
 b) Production of biogas  
 c) both a & b  
 d) None of these
14. Direct conversion of solar energy is attained by,  
 a) Solar photo voltaic system  
 b) Galvanic cells  
 c) Electrolytic cells  
 d) Hydrogen cells
15. Which of these is used as moderator in nuclear reactor,  
 a) Graphite  
 b) Helium gas  
 c) Heavy water  
 d) All of these
16. Mineral is a \_\_\_\_\_,  
 a) Organic matter  
 b) Synthetic compound  
 c) Naturally occurring inorganic substance  
 d) None of these
17. Smog is combination of,  
 a) Smoke and Fog  
 b) Snow and Fog  
 c) Smoke & Snow  
 d) All of these
18. Bhopal gas tragedy occurred due to the leakage of,  
 a) Sulphur dioxide  
 b) Methyl Isocynate  
 c) Methane gas  
 d) Coal ash
19. Noise is measured in which units?  
 a) Joule  
 b) dB  
 c) NTU  
 d) PPB
20. Which of the following compounds may be toxic to human beings?  
 a) Amino acids  
 b) Vitamins  
 c) Proteins  
 d) Polychlorinated bi-phenyls
21. World environmental day is celebrated every year on:  
 a) 5<sup>th</sup> May  
 b) June 5<sup>th</sup>  
 c) July 5<sup>th</sup>  
 d) 18<sup>th</sup> June
22. Population stabilization is essential for,  
 a) Sustainable development  
 b) Economic growth  
 c) Agricultural improvement  
 d) Industrial development.
23. As compared to 1960, net solid waste generation has,  
 a) Decreased because recycling programs are now in place.  
 b) Stayed the same despite rising population  
 c) Increased even with recycling programs in place.  
 d) None of these

24. Chlorine can be used,  
 a) To kill pathogenic micro organisms      b) To increase oxygen  
 c) To clear turbidity      d) All of these
25. The diesel vehicles pollute environmental largely through,  
 a) NO      b) Co      c) Hydro carbons      d) All of these
26. Acid rain increase day by day due to,  
 a) Urbanization      b) Hydropower plants      c) Industrialization      d) Increase in vehicles
27. International protocol to protect the ozone layer is,  
 a) Kyoto protocol      b) Montreal protocol      c) Vienna protocol      d) Basal protocol
28. The major cause of global population growth in the 18 and 19 centuries was,  
 a) Decrease in Death rate      b) Decrease in birth rate  
 c) Industrial revolution      d) None of these
29. The term Acid rain was first referred in the year,  
 a) 1972      b) 1978      c) 1852      d) 1872
30. Global atmospheric temperature likely to be increased due to,  
 a) Water pollution      b) Burning fossil fuel      c) Soil erosion      d) Noise pollution
31. Ozone hole was first discovered over,  
 a) Arctic      b) Tropical region      c) Antarctica      d) Africa
32. Freons are,  
 a) CFC      b) HFC      c) NFC      d) Hydrocarbon
33. Components of GIS,  
 a) Software      b) Hardware      c) Data      d) All of these
34. Electromagnetic radiation propagate energy with a velocity of,  
 a)  $3 \times 10^8$  m/sec      b)  $3.3 \times 10^8$  m/sec      c)  $0.3 \times 10^8$  m/sec      d)  $5.0 \times 10^{-8}$  m/sec
35. Remote sensing is a,  
 a) Sensor system      b) Satellite system      c) Ground segments      d) All of these
36. Karnataka state pollution control board was established in the year,  
 a) 1974      b) 1982      c) 1986      d) 1990
37. Objectives of wild life Act 1972 of India is,  
 a) Preserve the biodiversity      b) Protection and conservation of wild life  
 c) To maintain essential ecological life supporting      d) All of these
38. Which one is a NGO?  
 a) CPCB      b) Narmada Bachao Andolan      c) KSPCB      d) None of these
39. The leader of Chipko movement is,  
 a) Sunderlal Bahuguna      b) Medha Patkar      c) Vandana Shiva      d) Suresh Heblkar
40. Environmental (Protection) Act was enacted in the year.  
 a) 1992      b) 1999      c) 1986      d) 1972

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