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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.

1. The word 'Environment' is derived from .
a) English b) French c) Latin d) Spanish
2. 22nd April of every year is celebrated as
a) Environmental day b) Earth day c) World AIDS day d) Ozone day
3. In an aquatic ecosystem zoo plankton can be considered as a
a) Consumer b) Producer c) Macro consumer d) None of these
4. Minamata episode of Japan is due to the Poisoning of
a) Mercury b) Cadmium c) Lead d) Strantium
5. The air prevention and control of Pollution Act was enacted in the year
a) 1981 b) 1987 c) 1974 d) 1986
6. Mineral resources are
a) Renewable b) Fossil fuels c) Non – renewable d) Sedimentary rocks
7. Example for abiotic component of ecosystem
a) Plants b) Food c) Water d) Livestock
8. Karnataka State Pollution Control board was established in the year
a) 1974 b) 1976 c) 1984 d) 1983
9. Bhopal gas tragedy happened in the year
a) Dec 1983 b) Dec 1984 c) Dec 1986 d) Dec 1994
10. Environment education is targeted to
a) General public b) Techniques
c) Professionals social groups d) All of these

11. EIA is used to
 a) Establish the environmental baseline data b) Impact Identification
 c) (a) & (b) d) To identify alternative industries
12. One Joule of energy is equal to
 a) 0.2389 calories b) 23.89 calories c) 238.9 calories d) 2.389 calories
13. Petroleum based vehicles emit
 a) Poly nuclear hydrocarbon b) CO
 c) Aldehydes d) All of these
14. Sustainability requires
 a) Conservation of resources
 b) Minimizing depletion of non – renewable resources
 c) Using sustainable practices for managing renewable resources d) All of these
15. Ozone layer thickness is measured in
 a) PPM b) PPB c) Decibels d) Dobson units
16. Atmosphere consists of 79% Nitrogen and 21% Oxygen by
 a) Volume b) Weight c) Density d) All of these
17. Effect of Modern agriculture on soil is due to
 a) Erosion b) Acidification c) Salinization d) All of these
18. In an ecosystem the flow of energy is
 a) Bidirectional b) Cyclic c) Multidirectional d) None of these
19. Noise pollution limits in residential area
 a) 45 dB b) 80 dB c) 55 dB d) 90 dB
20. Which of the following is a biodegradable pollutant?
 a) DDT b) Sewage c) CFC d) Freon's
21. In Hydropower plants, power is generated by
 a) Solar b) Thermal c) Water d) Coal
22. First Internal earth summit was held during
 a) 1972 b) 1992 c) 1982 d) 1962
23. Minimum allowable concentration of total hardness as per BIS in drinking water
 a) 600 mg/ℓ b) 300mg/ℓ c) 1000mg/ℓ d) 100mg/ℓ
24. Fixation of nitrogen is done by
 a) Lightning b) Fixing bacteria c) Fertilizer factory d) All of these
25. The quantity of solar energy received by the earth is
 a) 5% b) 15% c) 99% d) 45%
26. Components of GIS
 a) Data b) Hardware c) Software d) All of these
27. Fossil fuels largely consists of
 a) Hydrocarbons b) Hydrogen sulphide c) Hydrochloric acid d) Carbon dioxide
28. Expand GPS
 a) Geography power system b) Geographic Information system
 c) Both (a) and (b) d) None of these

29. Which of the following remote sensing technologies uses sound
 a) Radar b) Sonar c) Microwave d) Color infrared
30. An automated system for the capture storage, retrieval, analysis and display of spatial data is known as
 a) a GPS b) Q GPRS c) Both (a) & (b) d) a GIS
31. The largest scale of the following is
 a) 1:100000 b) 1:24000 c) 1:62500 d) 1:500000
32. Animal husbandry may result in
 a) Global warming b) Acid rain c) Ozone depletion d) None of these
33. The Adverse effect of modern agriculture is
 a) Water pollution b) Soil degradation c) Water logging d) All of these
34. What is the permissible range of pH 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
35. The tiger conservation project was started in
 a) 1973 b) 1974 c) 1981 d) 1990
36. The Forest (conservation) Act in India was passed in
 a) 1977 b) 1980 c) 1982 d) 1988
37. The pH of unpolluted rain water about
 a) 8.7 b) 3.7 c) 5.7 d) None of these
38. Global warming could affect
 a) Climate b) Increase in sea level
 c) Melting of galcions d) All of the above
39. Which of the following is not a green house gas?
 a) CO₂ b) SO₂ c) O₃ d) Water vapour
40. Urbanization is
 a) Local Environmental issue b) National Environmental issue
 c) Both (a) and (b) d) Not at all on issues
41. Acid rain means
 a) Heavy rain b) Drizzle c) Any precipitation d) None of these
42. Which among the following is considered as secondary pollutants
 a) Nitrous oxide b) Carbon monoxide c) ozone d) None
43. The First International Earth summit was held at
 a) Johannesburg b) Rio de Janeiro c) Kyoto d) Stockholm
44. Environmental education is must for
 a) Children b) Women c) Everyone d) Scientists
45. Which of the following is NGO
 a) Narmada Bachao Andolan b) KSPCB
 c) CPCB d) None
46. The Environmental (protection) Act 1986 deals with
 a) Water b) Air c) Soil d) All of these

47. ISO 14000 standards deal with
a) Pollution Management b) Risk Management
c) Environmental Management d) None of these
48. Ozone hole was first discovered over
a) Arctic b) Antarctica c) Tropical region d) Africa
49. World ozone day is being celebrated in
a) September 5th b) October 15th c) September 16th d) September 11th
50. Which of the following is the unit for measuring the noise
a) Decibels b) Dobson unit c) Centimeter d) None of these.
