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Question Paper Version : D

First/Second Semester B.E Degree Examination, December 2011
Environmental Studies
(COMMON TO ALL BRANCHES)

Time: 2 hrs.]

[Max. Marks: 50

INSTRUCTIONS TO THE CANDIDATES

1. Answer all FIFTY questions; each question carries ONE Mark.
2. Use only **Black ball point pen** for 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 and using whiteners on the OMR sheet are strictly prohibited.**

1. Hevy duty diesel vehicles mainly contribute
a) NO_x b) SO₂ c) Particulate d) Both a and b
2. Use of compressed natural gas (CNG) came in to effect from
a) December 2002 b) January 2002 c) December 2003 d) September 2003
3. Increase in asthma attacks has been linked to high levels of
a) Nitrogen b) Oxygen c) Air-borne dust particles d) All of these
4. Urbanization is
a) Local environmental issue b) National environmental issue
c) Both a and b d) Not at all an issue
5. The number of babies produced per thousand individuals is called
a) Natality b) Dermography c) Fertility rate d) Emigration
6. ELISA test is used to detect
a) Malaria b) AIDS c) Cholera d) Tuberculosis
7. ICDS is a welfare scheme for
a) Public b) Women c) Men d) Children

8. Karnataka state "pollution control board" was established in the year
 a) 1974 b) 1982 c) 1986 d) 1976
9. Environmental protection Act 1986 deals with
 a) Air b) Water c) Land d) All of these
10. "Earth day" is observed on
 a) 1st December b) 5th June c) April 22nd d) 1st January
11. The study of interactions between living organisms and environment is called as
 a) Ecosystem b) Ecology c) Phytosociology d) Biology
12. The environment which has been modified by human activities is called
 a) Natural environment b) Anthropogenic environment
 c) Urban environment d) Modern environment
13. Cauvery water dispute is between
 a) India and Pakistan b) Punjab and Haryana
 c) Uttar Pradesh and Madhya Pradesh d) Karnataka and Tamil Nadu.
14. Terrace forming is practiced in
 a) Coastal areas b) Hills c) Deserts d) Plains
15. Millennium development Goal's conference of united nations was held in the year
 a) 2002 b) 2000 c) 2005 d) None
16. Economic security is measured on the basis of
 a) Labour markets and employment b) Income
 c) Work, jobs and skills d) All of these
17. "Remote sensing" is a
 a) Satellite system b) Ground segments c) Sensor system d) All of these
18. Green revolution crop varieties yield increases depend on the use of
 a) Inorganic fertilizers b) Pesticides
 c) Energy d) All of these
19. Building materials cause environmental problems such as
 a) Resource consumption b) Water and air pollution
 c) Habitat loss d) All of these
20. Discharge of industrial waste water causes
 a) Depletion of dissolved oxygen b) Destroy aquatic life
 c) Impair biological activity d) All of these
21. Gold occurs in
 a) Sedimentary deposits b) Placer deposits
 c) Hydrothermal deposits d) None of these
22. EIA is used to
 a) Establishing the environmental base line data b) Impact identification on
 c) Both a and b d) To identify alternate industries

23. Sustainable use is applicable to
 a) Renewable resources
 b) Non renewable resources
 c) Physical growth
 d) None of these
24. Fluorosis is caused due to
 a) No fluoride intake
 b) Low fluoride intake
 c) Excessive fluoride intake
 d) None of these
25. Both power and manure is provided by
 a) Nuclear plants
 b) Thermal plants
 c) Biogas plants
 d) Hydroelectric plant
26. Percentage of freshwater available on the earth is
 a) 2.8%
 b) 2.2%
 c) 0.6%
 d) 2.15%
27. Surface water potential of Karnataka state is around
 a) 20 M.ha–m
 b) 18 M.ha–m
 c) 17 M.ha–m
 d) 28 M.ha–m
28. Ore is a
 a) Metallic element
 b) Non-metallic element
 c) Plastic materials
 d) Both a and b.
29. Forest is
 a) Simple ecosystem
 b) Complex ecosystem
 c) Group of trees
 d) None of these
30. Earth atmosphere contains _____ % nitrogen
 a) 98%
 b) 12%
 c) 21%
 d) 78%
31. Sulphur – di – oxide is used in
 a) Paper manufacture
 b) Textile manufacture
 c) Processing of fossil fuels
 d) Both a and b
32. EMR propagate energy with a velocity of
 a) 3×10^6 m/se
 b) 3×10^8 m/sec
 c) 0.3×10^8 m/se
 d) 30×10^4 m/sec
33. Solar photo voltaic system are more suitable for
 a) Domestic lighting
 b) Street lighting
 c) Small power plants
 d) All of these
34. The first nuclear fission reactor in the world become critical in
 a) June 1972
 b) July 1974
 c) December 1942
 d) None of these
35. Green house gases are
 a) Chlorofluro carbon
 b) Oxygen
 c) Chlorine
 d) Chloro benzene.
36. Fossil fuel is also known as
 a) Lubricating fuel
 b) Liquid fuel
 c) Solid fuel
 d) Mineral fuel
37. Biogas is an excellent fuel when its methane content is about
 a) 15%
 b) 65%
 c) 0%
 d) 6.5%

38. Coal mining leads to adverse environmental effect like
 a) Aesthetic degradation
 b) Release of trace elements into water soil and air.
 c) Dust pollution
 d) All of these
39. "Agro forestry" environmental benefits
 a) Recycling of nutrients
 b) Reduction of surface run-off nutrient leaching and soil erosion.
 c) Ecosystem protection
 d) All of these
40. Geothermal energy is a
 a) Heat energy b) Current energy c) wind energy d) Solar energy
41. Acid rain is caused by increase in the atmospheric concentration of
 a) Ozone and dust b) SO₂ and NO₂ c) SO₃ and CO d) CO₂ and CO
42. Gas leaked in Bhopal tragedy was
 a) Potassium cyanate b) Sodium isothio cyanate
 c) Ethyl isocyanate d) Methyl isocyanate
43. Noise pollution limits at residential area is
 a) 45 dB b) 80 dB c) 55 dB d) 90 dB
44. Lead poisoning may cause
 a) Reduction in hemoglobin b) Kidney damage
 c) Mental retardation d) All of these
45. Taj Mahal at Agra may be damaged by
 a) Sulphur dioxide b) Chlorine c) Hydrogen d) Oxygen
46. Which of the following are natural sources of air pollution?
 a) Volcanic eruption b) Solar flair c) Earth quake d) All of these
47. Environmental pollution is due to
 a) Rapid urbanization b) Deforestation c) Afforestation d) a and b
48. Ozone day is observed on
 a) January 30 b) April 21 c) September 16 d) December 25
49. India's density of population according to census 2001
 a) 350 per sq.km b) 375 per sq.km c) 324 per sq.km d) 425 per sq.km
50. Green house effect is related to
 a) Green trees on house b) Global warming
 c) Grass lands d) Greenery in country

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