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Question Paper Version : B

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.

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1. Acid rain is caused by increase in the atmospheric concentration of
   a) Ozone and dust b) SO_2 and NO_2 c) SO_3 and CO d) CO_2 and CO

2. Gas leaked in Bhopal tragedy was
   a) Potassium cynate b) Sodium isothio cynate
   c) Ethyl isocynnate d) Methyl isocyannate

3. Noise pollution limits at residential area is
   a) 45 dB b) 80 dB c) 55 dB d) 90 dB

4. Lead poisoning may cause
   a) Reduction in hemoglobin b) Kidney damage
   c) Mental retardation d) All of these

5. Taj Mahal at Agra may be damaged by
   a) Sulphur dioxide b) Chlorine c) Hydrogen d) Oxygen

6. Which of the following are natural sources of air pollution?
   a) Volcanic eruption b) Solar flair c) Earth quake d) All of these

7. Environmental pollution is due to
   a)Rapid urbanization b) Deforestation c) Afforestation d) a and b

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8. Ozone day is observed on
a) January 30 b) April 21 c) September 16 d) December 25

9. 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

10. Green house effect is related to
a) Green trees on house b) Global worming
c) Grass lands d) Greenery in country

11. Hevy duty diesel vehicles mainly contribute
a) NO_x b) SO_2 c) Particulate d) Both a and b

12. Use of compressed natural gas (CNG) came in to effect from
a) December 2002 b) January 2002 c) December 2003 d) September 2003

13. Increase in asthma attacks has been linked to high levels of
a) Nitrogen b) Oxygen c) Air–borne dust particles d) All of these

14. Urbanization is
a) Local environmental issue b) National environmental issue
c) Both a and b d) Not at all an issue

15. The number of babies produced per thousand individuals is called
a) Natality b) Dermography c) Fertility rate d) Emigration

16. ELISA test is used to detect
a) Malaria b) AIDS c) Cholera d) Tuberculosis

17. ICDS is a welfare scheme for
a) Public b) Women c) Men d) Children

18. Karnataka state "pollution control board" was established is the year
a) 1974 b) 1982 c) 1986 d) 1976

19. Environmental protection Act 1986 deals with
a) Air b) Water c) Land d) All of these

20. "Earth day" is observed on
a) Ist December b) 5th June c) April 22nd d) Ist January

21. The study of interactions between living organisms and environment is called as
a) Ecosystem b) Ecology c) Phytosociology d) Biology

22. The environment which has been modified by human activities is called
a) Natural environment b) Anthropogenic environment
c) Urban environment d) Modern environment

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23. Cauvery water dispute is between
a) India and Pakistan b) Punjab and Haryana
c) Uttar Pradesh and Madhya Pradesh d) Karnataka and Tamil Nadu.

24. Terrace forming is practiced in
a) Coastal areas b) Hills c) Deserts d) Plains

25. Millennium development Goal's conference of united nations was held in the year
a) 2002 b) 2000 c) 2005 d) None

26. Economic security is measured on the basis of
a) Labour markets and employment b) Income
c) Work, jobs and skills d) All of these

27. "Remote sensing" is a
a) Satellite system b) Ground segments c) Sensor system d) All of these

28. Green revolution crop verities yield increases depend on the use of
a) Inorganic fertilizers b) Pesticides
c) Energy d) All of these

29. Building materials cause environmental problems such as
a) Resource consumption b) Water and air pollution
c) Habitat loss d) All of these

30. Discharge of industrial waste water causes
a) Depletion of dissolved oxygen b) Destroy aquatic life
c) Impair biological activity d) All of these

31. Gold occurs in
a) Sedimentary deposits b) Placer deposits
c) Hydrothermal deposits d) None of these

32. 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

33. Sustainable use is applicable to
a) Renewable resources b) Non renewable resources
c) Physical growth d) None of these

34. Fluorosis is caused due to
a) No fluoride intake b) Low fluoride intake
c) Excessive fluoride intake d) None of these

35. Both power and manure is provided by
a) Nuclear plants b) Thermal plants
c) Biogas plants d) Hydroelectric plant

36. Percentage of freshwater available on the earth is
a) 2.8% b) 2.2% c) 0.6% d) 2.15%

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37. 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

38. Ore is a
a) Metallic element
b) Non-metallic element
c) Plastic materials
d) Both a and b.

39. Forest is
a) Simple ecosystem
b) Complex ecosystem
c) Group of trees
d) None of these

40. Earth atmosphere contains _____% nitrogen
a) 98% b) 12% c) 21% d) 78%

41. Sulphur – di – oxide is used in
a) Paper manufacture
b) Textile manufacture
c) Processing of fossil fuels
d) Both a and b

42. EMR propagate energy with a velocity of
a) $3x10^6$ m/se b) $3x10^8$ m/sec c) $0.3x10^8$ m/se d) $30x10^4$ m/sec

43. Solar photo voltaic system are more suitable for
a) Domestic lighting b) Street lighting c) Small power plants d) All of these

44. The first nuclear fission reactor in the world become critical in
a) June 1972 b) July 1974 c) December 1942 d) None of these

45. Green house gases are
a) Chlorofluro carbon
b) Oxygen
c) Chlorine
d) Chloro benzene.

46. Fossil fuel is also known as
a) Lubricating fuel b) Liquid fuel c) Solid fuel d) Mineral fuel

47. Biogas is an excellent fuel when its methane content is about
a) 15% b) 65% c) 0% d) 6.5%

48. 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

49. "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

50. Geothermal energy is a
a) Heat energy b) Current energy c) wind energy d) Solar energy

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