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Question Paper Version : D

First/Second Semester B.E Degree Examination, January 2013

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. Coal is a

a) renewable source of energy	b) inexhaustible source of energy
c) non-renewable source of energy	d) none of these
2. Which of the following is a non-polluting source of energy?

a) Coal	b) Petroleum	c) Natural gas	d) Solar energy
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3. Deforestation is majorly caused by

a) mining	b) overgrazing	c) dam building	d) all of these
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4. Major dams may cause

a) earthquakes	b) hurricanes	c) storms	d) cyclones
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5. Maximum usage of water is in the field of

a) industries	b) homes	c) agriculture	d) none of these
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6. Pyramid of energy is always

a) inverted	b) erect	c) rectangular	d) none of these
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7. Herbivores are

a) primary producers	b) consumers	c) decomposers	d) all of these
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8. The sequence of organisms in a food chain is

a) consumer → producer → decomposer	b) decomposer → consumer → producer
c) producer → decomposer → consumer	d) producer → consumer → decomposer
9. Which of the following is a top carnivore?

a) Tiger	b) Crocodile	c) Hawk	d) All of these
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10. One method of Nitrogen fixation in nature is by

a) thunder	b) rain	c) lightning	d) storm
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11. Radiation is a health hazard because it leads to

a) typhoid	b) cancer	c) colour blindness	d) pneumonia
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12. Which of these gases causes air pollution?

a) Nitrogen	b) Hydrogen	c) Water vapour	d) Carbon monoxide
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13. Kitchen Wastes contain

a) non-biodegradable pollutants	b) biodegradable pollutants	c) radioactive pollutants	d) none of these
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14. Water pollution is caused by

a) sewage	b) industrial effluents	c) discharge from farms	d) all of these
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15. D.D.T. pollutes

a) air	b) water	c) soil	d) all of these
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16. Which of the following is not a greenhouse gas?

a) CO ₂	b) CH ₄	c) CFC	d) H ₂
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17. Ionizing radiations of ecological importance are

a) α - rays	b) β - rays	c) γ - rays	d) all of these
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18. The proportion of methane in biogas is

a) 20 to 30%	b) 10 to 30%	c) 60 to 70%	d) 80 to 90%
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19. Which is not a natural disaster?

a) Cyclone	b) Nuclear explosion	c) Earthquake	d) Volcano
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20. Landslides are caused by

a) earthquakes	b) dam building	c) mining	d) all of these
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21. Environmental Education is targeted to

a) general public	b) professional social groups	c) technicians and scientists	d) all of these
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22. Bhopal gas tragedy caused due to leakage of
 a) Methyl Iso Cyanate (MIC) b) Sulphur dioxide c) Mustard gas d) Methane
23. Which state is having highest women literacy rate in India?
 a) Karnataka b) Punjab c) Rajasthan d) Kerala
24. The virus that causes AIDS is
 a) HIV b) TMV c) HMV d) none of these
25. Kala-azar is spread by
 a) tape worms b) rats c) mosquitoes d) sand flies
26. The percentage of water accounted by oceans and seas, is
 a) 90% b) 87% c) 97% d) 99%
27. Salim Ali was an expert in
 a) agricultural sciences b) rainwater harvesting c) ornithology d) environmental law
28. Which of the following diseases is not spread by water?
 a) diarrhea b) chickenpox c) cholera d) dysentery
29. D.D.T. is a
 a) fungicide b) pesticide c) fertilizer d) disinfectant
30. Which of the following waste material is degradable?
 a) plastic b) metal c) glass d) paper
31. Medha Patkar is famous for
 a) Chipko Movement b) Narmada Bachao Andolan c) Green Revolution d) Silent Valley Project
32. Examples of renewable resources are
 a) wind energy b) solar energy c) tidal energy d) all of these
33. Biogas is made up mostly of
 a) hydrogen b) carbon dioxide c) ethane d) methane
34. Pyramid of numbers in a pond ecosystem is always
 a) inverted b) erect c) irregular d) none of these
35. Cycling of materials in the biosphere is called
 a) biochemical cycle b) biophysical cycle c) biogeochemical cycle d) geochemical cycle
36. Energy flow in any ecosystem is always
 a) bidirectional b) unidirectional c) multidirectional d) none of these
37. Sunderbans is the name of place in
 a) Assam b) West Bengal c) Karnataka d) All of these
38. Mangrove forests are seen in
 a) Mumbai b) Nicobar Islands c) West Bengal d) All of these
39. Rearing fish is called
 a) pisciculture b) sericulture c) fishiculture d) horticulture
40. Western Ghats are not located in
 a) North-East India b) Maharashtra c) Peninsular India d) Gujarat
41. Which of the following is not a biodegradable pollutant?
 a) Plastic b) Skins of vegetables and fruits c) Dry leaves d) Paper
42. Minamata disease is caused by
 a) cadmium b) strontium c) mercury d) uranium
43. BOD stands for
 a) Biochemical Oxygen Demand b) Biological Oxygen Demand
 c) Biogeochemical Oxygen Demand d) None of these
44. Greenhouse effect is caused by excess of
 a) CO₂ b) H₂ c) He d) O₂
45. Photochemical smog is caused by
 a) PAN + O₂ b) PAN + O₃ c) O₃ + O₂ d) PAN + CO₂
46. In the world's population, India accounts for
 a) 10% b) 5% c) 25% d) 16%
47. World Environmental Day is celebrated on
 a) 5th June b) 11th June c) 12th January d) 8th September
48. Excess fluorides in drinking water is likely to cause
 a) blue babies b) fluorosis c) taste and odour d) intestinal irritation
49. The leader of Chipko movement is
 a) Sunderlal Bahuguna b) Medha Patkar c) Vandana Shiva d) Suresh Heblkar
50. E.I.A. can be expanded as
 a) Environment and Industrial Act b) Environment and Impact Activities
 c) Environment Impact Assessment d) Environmentally Important Activity