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Question Paper Version : C

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. In the world's population, India accounts for
a) 10% b) 5% c) 25% d) 16%
2. World Environmental Day is celebrated on
a) 5th June b) 11th June c) 12th January d) 8th September
3. Excess fluorides in drinking water is likely to cause
a) blue babies b) fluosis c) taste and odour d) intestinal irritation
4. The leader of Chipko movement is
a) Sunderlal Bahuguna b) Medha Patkar c) Vandana Shiva d) Suresh Heblikar
5. 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
6. Which of the following is not a biodegradable pollutant?
a) Plastic b) Skins of vegetables and fruits c) Dry leaves d) Paper
7. Minamata disease is caused by
a) cadmium b) strontium c) mercury d) uranium
8. BOD stands for
a) Biochemical Oxygen Demand b) Biological Oxygen Demand
c) Biogeochemical Oxygen Demand d) None of these
9. Greenhouse effect is caused by excess of
a) CO₂ b) H₂ c) He d) O₂
10. Photochemical smog is caused by
a) PAN + O₂ b) PAN + O₃ c) O₃ + O₂ d) PAN + CO₂
11. Energy flow in any ecosystem is always
a) bidirectional b) unidirectional c) multidirectional d) none of these
12. Sundarbans is the name of place in
a) Assam b) West Bengal c) Karnataka d) All of these
13. Mangrove forests are seen in
a) Mumbai b) Nicobar Islands c) West Bengal d) All of these
14. Rearing fish is called
a) pisciculture b) sericulture c) fishiculture d) horticulture
15. Western Ghats are not located in
a) North-East India b) Maharastra c) Peninsular India d) Gujarat
16. Medha Patkar is famous for
a) Chipko Movement b) Narmada Bachao Andolan c) Green Revolution d) Silent Valley Project
17. Examples of renewable resources are
a) wind energy b) solar energy c) tidal energy d) all of these
18. Biogas is made up mostly of
a) hydrogen b) carbon dioxide c) ethane d) methane
19. Pyramid of numbers in a pond ecosystem is always
a) inverted b) erect c) irregular d) none of these
20. C₂ cycle of carbon in the ecosystem is called
a) biochemical cycle b) biophysical cycle c) biogeochemical cycle d) geochemical cycle

22. Salim Ali was an expert in
 - a) agricultural sciences
 - b) rainwater harvesting
 - c) ornithology
 - d) environmental law
23. Which of the following diseases is not spread by water?
 - a) diarrhea
 - b) chickenpox
 - c) cholera
 - d) dysentery
24. D.D.T. is a
 - a) fungicide
 - b) pesticide
 - c) fertilizer
 - d) disinfectant
25. Which of the following waste material is degradable?
 - a) plastic
 - b) metal
 - c) glass
 - d) paper
26. Environmental Education is targeted to
 - a) general public
 - b) professional social groups
 - c) technicians and scientists
 - d) all of these
27. Bhopal gas tragedy caused due to leakage of
 - a) Methyl Iso Cyanate (MIC)
 - b) Sulphur dioxide
 - c) Mustard gas
 - d) Methane
28. Which state is having highest women literacy rate in India?
 - a) Karnataka
 - b) Punjab
 - c) Rajasthan
 - d) Kerala
29. The virus that causes AIDS is
 - a) HIV
 - b) TMV
 - c) HMV
 - d) none of these
30. Kala-azar is spread by
 - a) tape worms
 - b) rats
 - c) mosquitoes
 - d) sand flies
31. Which of the following is not a greenhouse gas?
 - a) CO_2
 - b) CH_4
 - c) CFC
 - d) H_2
32. Ionizing radiations of ecological importance are
 - a) α - rays
 - b) β - rays
 - c) γ - rays
 - d) all of these
33. The proportion of methane in biogas is
 - a) 20 to 30%
 - b) 10 to 30%
 - c) 60 to 70%
 - d) 80 to 90%
34. Which is not a natural disaster?
 - a) Cyclone
 - b) Nuclear explosion
 - c) Earthquake
 - d) Volcano
35. Landslides are caused by
 - a) earthquakes
 - b) dam building
 - c) mining
 - d) all of these
36. Radiation is a health hazard because it leads to
 - a) typhoid
 - b) cancer
 - c) colour blindness
 - d) pneumonia
37. Which of these gases causes air pollution?
 - a) Nitrogen
 - b) Hydrogen
 - c) Water vapour
 - d) Carbon monoxide
38. Kitchen Wastes contain
 - a) non-biodegradable pollutants
 - b) biodegradable pollutants
 - c) radioactive pollutants
 - d) none of these
39. Water pollution is caused by
 - a) sewage
 - b) industrial effluents
 - c) discharge from farms
 - d) all of these
40. D.D.T. pollutes
 - a) air
 - b) water
 - c) soil
 - d) all of these
41. Pyramid of energy is always
 - a) inverted
 - b) erect
 - c) rectangular
 - d) none of these
42. Herbivores are
 - a) primary producers
 - b) consumers
 - c) decomposers
 - d) all of these
43. The sequence of organisms in a food chain is
 - a) consumer \rightarrow producer \rightarrow decomposer
 - b) decomposer \rightarrow consumer \rightarrow producer
 - c) producer \rightarrow decomposer \rightarrow consumer
 - d) producer \rightarrow consumer \rightarrow decomposer
44. Which of the following is a top carnivore?
 - a) Tiger
 - b) Crocodile
 - c) Hawk
 - d) All of these
45. One method of Nitrogen fixation in nature is by
 - a) thunder
 - b) rain
 - c) lightning
 - d) storm
46. Coal is a
 - a) renewable source of energy
 - b) inexhaustible source of energy
 - c) non-renewable source of energy
 - d) none of these
47. Which of the following is a non-polluting source of energy?
 - a) Coal
 - b) Petroleum
 - c) Natural gas
 - d) Solar energy
48. Deforestation is majorly caused by
 - a) mining
 - b) overgrazing
 - c) dam building
 - d) all of these
49. Major dams may cause
 - a) earthquakes
 - b) hurricanes
 - c) floods
 - d) cyclones
50. Maximum usage of water is in the field of