



## CBCS SCHEME

21CIV57

Question Paper Version : A

### Fifth Semester B.E./B.Tech. Degree Examination, Dec.2024/Jan.2025 Environmental Studies

Time: 1 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.

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1. Environment means
    - a) A beautiful landscape
    - b) Industrial production
    - c) Sum total of all condition
    - d) None of these
  2. The term ecosystem was introduced by
    - a) Hackel
    - b) Odum
    - c) Tansley
    - d) All of these
  3. The ecological pyramid that is always upright.
    - a) Pyramid of energy
    - b) Pyramid of biomass
    - c) Pyramid of number
    - d) None of these
  4. 5<sup>th</sup> June is observed as
    - a) World Forest Day
    - b) World Environment Day
    - c) World Wildlife Day
    - d) World Population Day
  5. MoEF means
    - a) Ministry of Forest and Energy
    - b) Ministry of Environment and Forests
    - c) Ministry of Fuel and Energy
    - d) Management of Environment and Forestry
  6. In Aquatic Ecosystem Phytoplankton can be considered as a
    - a) Consumer
    - b) Producer
    - c) Macro consumer
    - d) Micro consumer
  7. \_\_\_\_\_ has Maximum Genetic Diversity in India.
    - a) Potato
    - b) Tea
    - c) Mango
    - d) Teak

8. Chipko movement was started to conserve
  - a) Forests
  - b) Grasslands
  - c) Deserts
  - d) Soil
9. The sequence of eating and being eaten in an eco-system is called
  - a) Food chain
  - b) Carbon cycle
  - c) Hydrological cycle
  - d) Anthroposystem
10. Which of the following is a biotic component of an eco system?
  - a) Fungi
  - b) Solar Light
  - c) Temperature
  - d) Humidity
11. Hydroelectric Power plant is \_\_\_\_\_
  - a) Non-renewable source of energy
  - b) Conventional source of energy
  - c) Non-conventional source of energy
  - d) Continuous source of energy
12. Which isotope of uranium is used for the nuclear fission reaction?
  - a) U-234
  - b) U-235
  - c) U-238
  - d) U-233
13. A solar cell is an electrical device that converts the energy of light directly into electricity by the
  - a) Photovoltaic effect
  - b) Chemical effect
  - c) Atmospheric effect
  - d) Physical effect
14. Bhopal gas tragedy occurred in the year
  - a) 1986
  - b) 1990
  - c) 1984
  - d) 1991
15. Wind is beneficial resource of energy as it does not cause
  - a) Pollution
  - b) Echo
  - c) Noise
  - d) Sound
16. Which of the following is not a renewable source of energy?
  - a) Wind energy
  - b) Tidal wave energy
  - c) Solar energy
  - d) Fossil fuels
17. Nuclear Power Plant in Karnataka is located at
  - a) Bhadravathi
  - b) Kaiga
  - c) Sandur
  - d) Raichur
18. In Hydro Power Plants, power is generated by
  - a) Hot Springs
  - b) Wind
  - c) Water
  - d) Solar Energy
19. Which is not natural disaster?
  - a) Cyclone
  - b) Nuclear explosion
  - c) Earthquake
  - d) Volcano
20. Radiation is a health hazard because it leads to
  - a) Typhoid
  - b) Cancer
  - c) Colour blindness
  - d) Pneumonia
21. Water pollution is caused by
  - a) Sewage
  - b) Industrial effluents
  - c) Discharge from farms
  - d) All of these
22. Which of the following are non-biodegradable?
  - a) Plastics
  - b) Domestic sewage
  - c) Detergents
  - d) Both a and c

23. Chlorine can be used  
a) To kill pathogenic micro organisms      b) To increase the pH  
c) To clear the turbidity      d) All of these
24. What does E-waste stand for?  
a) Environment waste      b) Electronic waste  
c) Equipment waste      d) None of these
25. The noise is measured in  
a) Decibels      b) Joules      c) PPM      d) NTU
26. Maximum dissolved oxygen is required by  
a) Fish      b) Bacteria      c) Vegetables      d) All of these
27. Colorless, odorless and non corrosive air pollutant is  
a) Sulphur dioxide      b) Carbon monoxide  
c) Carbon dioxide      d) Ozone
28. Which of the following is not a greenhouse gas?  
a) CO<sub>2</sub>      b) CH<sub>4</sub>      c) CFC      d) H<sub>2</sub>
29. For the survival of fish in a river stream, the minimum DO is prescribed  
a) 3 PPM      b) 4 PPM      c) 5 PPM      d) 10 PPM
30. Water pollution can be minimized by  
a) Releasing sewage to ocean      b) Releasing effluent to wasteland  
c) Treating wastewater      d) None of these
31. Global warming could effect  
a) Climate      b) Increase in sea level  
c) Melting of glaciers      d) All of these
32. The primary cause of acid rain around the world is  
a) Carbon dioxide      b) Sulphur dioxide  
c) Carbon monoxide      d) Ozone
33. Acid rain effects on  
a) Materials      b) Plants      c) Soil      d) All of these
34. Ozone layer is present in  
a) Troposphere      b) Stratosphere  
c) Mesosphere      d) Thermosphere
35. Ozone layer absorbs  
a) UV rays      b) Infrared rays      c) Cosmic rays      d) CO
36. The Fluoride concentration for prevention of dental caries is  
a) 3 mg/L      b) 2 mg/L      c) 1 mg/L      d) 4 mg/L
37. D.D.T is a  
a) Fungicide      b) Pesticide      c) Fertilizer      d) Disinfectant



38. When trees are cut, amount of oxygen  
a) decreases                      b) increases                      c) both a and b                      d) remains same
39. World ozone day is being celebrated on  
a) September 5<sup>th</sup>                      b) October 15<sup>th</sup>                      c) September 16<sup>th</sup>                      d) September 11<sup>th</sup>
40. The effect of acid rain  
a) Reduces soil fertility                      b) Increases atmospheric temperature  
c) Skin cancer                      d) Causing respiratory problems
41. Which among the following is not related to GIS software?  
a) CAD                      b) ARC GIS                      c) RC VIEW                      d) STAAD PRO
42. GIS stands for  
a) Geographic Information System                      b) Generic Information System  
c) Geological Information System                      d) Geographic Information System
43. Among the following \_\_\_\_\_ can be expressed as an example of hardware component?  
a) Keyboard                      b) Arc GIS                      c) Autocad                      d) Digitalization
44. The basic requirement of any sensor system is  
a) Spatial resolution                      b) Spectral Resolution  
c) Radiometric Resolution                      d) All of these
45. IS 14000 standards are for the  
a) Quality Management System                      b) Environmental Management System  
c) Administration                      d) Supply Chain
46. What is the main objective of secondary treatment of sewage plants?  
a) To remove the suspended particles  
b) To remove the contaminants  
c) To remove the BOD  
d) To remove the organic material
47. Which of the following is the un agency on health?  
a) WHO                      b) FAO                      c) UNESCO                      d) WTO
48. What is the full form of NGO's?  
a) Non-governmental Organizations                      b) Non Governance Organizations  
c) No Governance Organizations                      d) Null Governmental Organizations
49. When did green peace founded?  
a) 1965                      b) 1967                      c) 1968                      d) 1971
50. When did the Bombay Natural History Society (BNHS) founded?  
a) 1857                      b) 1868                      c) 1883                      d) 1897

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