CBCS SCHEME

21CIV57

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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. 5th 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 forms 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_2 b) CH_4 c) CFC d) H_2

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