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Question Paper Version : A

Fifth Semester B.E./B.Tech. Degree Examination, June/July 2025
Environmental Studies

[Time: 1 hr.]

[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. The Primary objective of Paris Agreement is
 - a) To eliminate green house gas emissions
 - b) To limit global temperature rise to well below 2°C
 - c) To reduce pollution from Industrial Sectors
 - d) To encourage nuclear energy adoption
 2. The concept of "Circular Economy" focuses on
 - a) Reducing Industrial production to conserve energy
 - b) Recycling and Reuse materials to minimize waste
 - c) Increasing Resource extraction
 - d) Expanding Manufacturing Capacity
 3. The main purpose of Green Climate Fund
 - a) To support fossil fuel extraction projects
 - b) To assist developing countries in climate change mitigation and adaption efforts
 - c) To promote economic growth
 - d) All of these
 4. Identify the Country below, which legally recognize the rights of Nature in its Constitution.
 - a) India
 - b) Ecuador
 - c) Canada
 - d) Australia
 5. The "Carbon footprint" in Environmental Science refers to
 - a) Amount of CO₂ emitted by human activities
 - b) The percentage of Land covered by forests
 - c) Land required for ecosystem
 - d) Natural emission of methane from Wetlands

6. The term "Biodiversity" refer to
 - a) Variety of ecosystems on Earth
 - b) Genetic variation within a single species
 - c) Total number of species within an ecosystem
 - d) All of these
7. Which of the following is a major threat to biodiversity?
 - a) Climate change
 - b) Pollution
 - c) Habitat destruction
 - d) All of these
8. In recent years significant growth of energy source is ____
 - a) Wind energy
 - b) Solar energy
 - c) Hydropower
 - d) All of these
9. "Earth Hour" movement refers to ____
 - a) To encourage suitable farming practices
 - b) To raise awareness about environmental issues
 - c) To promote the use of renewable energy
 - d) To reduce global emissions
10. Which of the following is listed as invasive species?
 - a) Polar bears in Arctic
 - b) European rabbits in Australia
 - c) Redwood trees in California
 - d) Grey Wolves in North America
11. The International body responsible for negotiating global climate action under the UNFCCC.
 - a) WHO
 - b) WTO
 - c) COP
 - d) UNDP
12. The carbon cycle involves the movement of carbon between the atmosphere , oceans and ____
 - a) Plants
 - b) Rocks
 - c) Forests
 - d) Animals
13. The primary concern of "Sustainable Development" is
 - a) Maximizing economy
 - b) Meeting present needs without compromising future generations
 - c) Expanding urban areas
 - d) Increasing global trade
14. What is the largest source of Methane emissions globally?
 - a) Agriculture
 - b) Wetlands
 - c) Forest fires
 - d) Natural gas
15. The Primary source of ocean pollution is ____
 - a) Plastic waste
 - b) Oil spills
 - c) CO₂ emission
 - d) Over fishing
16. Which International agreement is focused on reducing the use of Ozone depleting substances?
 - a) Basel convention
 - b) Montreal protocol
 - c) Paris Agreement
 - d) Kyoto protocol
17. The Primary reason for the increasing rate for species extinction
 - a) Natural disaster
 - b) Human activities in climate change
 - c) Evolutionary process
 - d) Increase disease outbreak

18. The Great Pacific Garbage patch is composed of
 - a) Organic waste
 - b) Rubber
 - c) Plastic waste
 - d) Glass debris
19. What is the Leading cause of deforestation Worldwide?
 - a) Natural disasters
 - b) Agriculture and Cattle ranching
 - c) Urbanization
 - d) Mining Activities
20. The term GreenWashing refers to
 - a) Process of reducing environment
 - b) False claim of company
 - c) Practice of planting trees
 - d) Recycling waste products
21. Example of Non – renewable resource
 - a) Water
 - b) Wind
 - c) Coal
 - d) Biomass
22. The “ecological footprint” is measure of
 - a) Total land required for Human life
 - b) Amount of Renewable energy used by Humans
 - c) Impact of Human activities on environment
 - d) Biodiversity within a region
23. Which of following is an example of ecosystem restoration?
 - a) Building new dam
 - b) Planting native species
 - c) Expanding urban areas
 - d) Harvesting Timer
24. Which of following gases contribute the most global warming?
 - a) Methane
 - b) Nitrous oxide
 - c) CO₂
 - d) Ozone
25. Which of following is NOT a green house gas?
 - a) CO₂
 - b) Nitrous oxide
 - c) Oxygen
 - d) Methane
26. What is the main function of Ozone Layer?
 - a) Regulate Global Temperature
 - b) Protects earth from UV
 - c) To produce oxygen for atmosphere
 - d) Reduce carbon emission
27. Which of the following best describes the term “Sustainable agriculture”?
 - a) Farming practice that increase crop yields
 - b) Agriculture using resources and reduce environmental impact
 - c) Farming practice with chemical pesticides
 - d) Urban farming practice.
28. Which of following Countries established the First National Green Tribunal to deal environment disputes.
 - a) India
 - b) United States
 - c) Germany
 - d) Australia
29. What is the largest source of Methane emissions globally?
 - a) None of these
 - b) Natural gas
 - c) Wetland
 - d) Forest fires

30. Identify the correct statements w.r.t Earth hour.
- Initiative of UNEP & UNESCO
 - Switch off the lights for one hour on certain day every year.
 - To raise awareness about climate change
- a) ii only b) ii & iii only c) iii only d) All of these
31. Which of the following is NOT a source OF water pollution?
- Industrial effluents
 - Agricultural runoff
 - Dye industry
 - Wind turbines
32. The primary health impact of nitrate contamination in drinking water is
- Kidney damage
 - Blue baby syndrome
 - Respiratory diseases
 - Neurological disorder
33. The UNIT of measurement of sound intensity is
- Joule
 - Hertz
 - Decibel
 - Tesla
34. Which of the following is NOT a preventive measure for noise pollution?
- Use of Noise barriers
 - Planting trees
 - Limiting vehicle use
 - Increasing urban traffic
35. Prolonged exposure to Noise pollution primarily leads to
- Hearing loss
 - Vision impairment
 - Skin disorder
 - All of these
36. What was the primary cause of the 1952 Great Smog of London?
- Volcanic activity
 - Combustion of coal in cold weather
 - Automobile emissions
 - Industrial chemicals
37. Which air pollutant is most strongly associated with respiratory diseases like asthma?
- Ozone
 - Nitrogen gas
 - Argon
 - Helium
38. What is the main objective of Water Act, 1974?
- To conserve biodiversity
 - To prevent and control water pollution
 - To regulate ground water
 - To promote Industrial development
39. Under the Water Act, who has the Authority to establish standards for water quality?
- Pollution control boards
 - Ministry of Urban Development
 - Forest developments
 - Environmental NGO's
40. The Air Act, 1981 was enacted to address.
- Noise pollution
 - Emission from Industry and vehicles
 - Deforestation
 - Plastic Waste Management
41. The Air Act emphasizes which type of zones for pollution control.
- Green zones
 - Protected areas
 - Pollution control areas
 - Noise – Sensitive zone
42. Environment Protection Act was introduced in response to
- Bhopal Gas Tragedy
 - Plastic pollution
 - Industrial expansion
 - All of these

43. Environmental Protection Act 1986, is an Umbrella Act covering.
a) Only water & Air Pollution b) All Environmental issues
c) Noise pollution only d) Forest conservation
44. Who is responsible for ensuring proper solid waste management in urban areas?
a) Local Municipal Authorities b) Pollution control board
c) State Government d) Central Government
45. What is minimum segregation required for solid waste?
a) Organic and inorganic b) Wet, dry and hazardous
c) Paper, Plastic and glass d) Metal & Biodegradable
46. E – waste Management rules focus on
a) Banning electronic imports b) Extended producer responsibility
c) Reducing electricity consumption d) None of these
47. What is minimum collection target under EPR for producer of e – waste?
a) 30 % b) 50 % c) 70 % d) 100 %
48. Which of the following is classified as e – waste?
a) Paper waste b) Lead acid battery c) Mobile phones d) None of these
49. Biomedical waste must be disposed within
a) 24 hours b) 48 hours c) 72 hours d) 96 hours
50. The Biomedical Waste Management Rules categorize waste into how many color coded categories?
a) 2 b) 4 c) 6 d) 8
