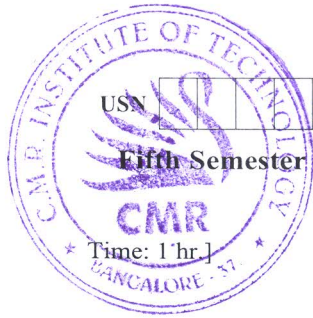


CBCS SCHEME

21CIV57

Question Paper Version : A



Fifth Semester B.E./B.Tech. Degree Examination, Dec.2023/Jan.2024

Environmental Studies

[Max. Marks: 50]

INSTRUCTIONS TO THE CANDIDATES

- Answer all the **fifty** questions, each question carries one mark.
- Use only **Black ball point pen** for writing / darkening the circles.
- For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the OMR sheet.**
- Darkening two circles for the same question makes the answer invalid.
- Damaging/overwriting, using whiteners** on the **OMR** sheets are strictly prohibited.

- Biodiversity is a measure of variation at the _____ level
a) Genetic b) Species c) Ecosystem d) All of these
- World Environment Day is celebrated on _____
a) 5th May b) 5th June c) 18th June d) 16th August
- Mining means
a) To conserve minerals
b) To check pollution
c) To extract minerals and ores
d) None of the above
- Direct conversion of solar energy is attained by
a) Solar Photo volcanic system
b) Solar diesel hybrid system
c) Solar thermal system
d) Solar air heater
- What % of its geographical area of a country should be under forest cover
a) 23% b) 43% c) 13% d) 33%
- Hazardous Waste Management Act was enacted in India in the year
a) 1988 b) 1989 c) 1990 d) 1991
- Which of these following elements is the case of e-waste?
a) Cadmium b) Beryllium c) Lead d) All of these

Ver-A - 1 of 4

- Remote sensing techniques make use of the properties of _____ emitted, reflected or diffracted by the sensed objects
a) Electric waves b) Sound waves
c) Electromagnetic waves d) Wind waves
- The altitudinal distance of a geostationary satellite from the earth is about
a) 26,000km b) 30,000km c) 36,000km d) 44,000km
- Montreal protocol is related to the
a) Food security b) Global warming
c) Sustainable development d) Ozone layer depletion
- The main cause of damage to Taj Mahal is _____
a) Water pollution b) Soil pollution c) Acid rain d) Fog
- Reducing the amount of future climate change is called.
a) Mitigation b) Geo-engineering c) Adaptation d) None of these
- Ozone layer is at a height of _____ above the Earth's surface
a) 19 to 48m b) 19 to 480m c) 19 to 48km d) 190 to 480km
- Which ministry is mainly responsible for research and development in renewable energy sources such as wind, power small hydro, biogas and solar power
a) Human Resource Development
b) Agriculture and Famous welfare
c) Ministry of new and Renewable energy
d) Health and Family welfare
- The OTEC is an energy technology that converts
a) Energy in large fides of ocean to generate electricity
b) Energy in ocean waves to generate electricity
c) Energy in ocean due to thermal gradient to generate electricity
d) Energy in the fast moving ocean currents to generate electricity
- In a Lake, phytoplankton grow in abundance in
a) Littoral zone b) Limnetic zone c) Profundal zone d) Benthic region
- The prescribed limits of noise in residential area during day is
a) 55dB b) 45dB c) 60dB d) 50dB
- The maximum allowable concentration of fluorides in drinking water
a) 3mg/L b) 2mg/L c) 2.5mg/L d) 1.5mg/L
- The color code of plastic bag for disposing microbial laboratory culture waste
a) Red b) Black c) Blue d) White
- The hazardous pollutant released from batteries is
a) Arsenic b) Cobalt c) Barium d) Cadmium
- GIS uses the information from which of the following sources
a) Non-Spatial Information System
b) Spatial Information System
c) Global Information System
d) Position Information System

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Ver-A - 2 of 4

22. EIA can be expanded as
 a) Environment and Industrial Act
 b) Environmental and Impact Activities
 c) Environmental Impact Assessment
 d) Environmental Impact Activity
23. ISO 14000 standards deals with
 a) Pollution management
 b) Risk management
 c) Environmental management
 d) None of these
24. Which of the following represents India in ISO
 a) PFRDA
 b) FSSAI
 c) BIS
 d) BCCI
25. Which of the following is having high population density
 a) India
 b) China
 c) USA
 d) Western Europe
26. Environment education is targeted to
 a) General public
 b) Professional social groups
 c) Technical and Scientists
 d) All of the above
27. Discharge of municipal waste cause
 a) Depletion of dissolved oxygen
 b) Destroy aquatic life
 c) Impair biological activity
 d) All of the above
28. _____ is are referred to a Earth's lungs
 a) Forests
 b) Carbon cycle
 c) Water sources
 d) Miner
29. Solid waste is best managed through
 a) Incineration
 b) Open dumping
 c) Sanitary landfill
 d) Composting
30. Love canal tragedy is attributed to
 a) Soil pollution
 b) Hazardous waste
 c) Air pollution
 d) None of these
31. According to Biomedical Waste (Management and Handling) Rules 1998, waste should not be stored beyond _____
 a) 12 hours
 b) 48 hours
 c) 72 hours
 d) 96 hours
32. Pyrolysis is an _____ process
 a) Exothermic
 b) Endothermic
 c) Both a and b
 d) Neither a and b
33. Chlorofluorocarbons are
 a) Nontoxic
 b) Flammable
 c) Corrosive
 d) Odorous
34. Which of the following is an air pollutant
 a) Carbon dioxide
 b) Oxygen
 c) Nitrogen
 d) Particulate matter
35. Urbanization is
 a) Local environmental issue
 b) Nation environmental issue
 c) Both a and b
 d) Not at all an issue

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36. Earth day is held every year on :
 a) June 5th
 b) November 23rd
 c) April 22nd
 d) January 26th
37. The term hotspot was introduced by –
 a) Norman Myere
 b) Jacob Von Verkul
 c) A.G. Transley
 d) Ernst Haeckel
38. In an Ecosyste, the energy flow is always
 a) Always unidirectional
 b) Always bidirectional
 c) In any direction
 d) Always down directional
39. Which of the following is considered as an alternate fuel
 a) CNG
 b) Kerosene
 c) Coal
 d) Petrol
40. Nuclear power plant in Karnataka is located at
 a) Bhadravati
 b) Sandur
 c) Raichur
 d) Kaiga
41. Disaster management includes _____
 a) Mitigation
 b) Reconstruction
 c) Rehabilitation
 d) All of these
42. What is the health effects of fluoride in drinking waster
 a) Arthritis
 b) Diarrhea
 c) Anemia
 d) All of these
43. What is the permissible range of pH for drinking water as per Indian standards
 a) 6 – 9
 b) 6 – 8.5
 c) 6.5 – 8.5
 d) 6.5 – 7.5
44. The infiltration of water into the subsurface is the
 a) Influent
 b) Effluent
 c) Discharge
 d) Recharge
45. Environmental (Protection Act) was enacted in the year
 a) 1986
 b) 1992
 c) 1984
 d) 1974
46. What is the full form of NGO
 a) Non-Governmental Organization
 b) Non-Governance Organizations
 c) No- Governance Organizations
 d) Null – Governmental organizations
47. The primary cause of acid rain around the world is
 a) CFC
 b) SO₂
 c) CO
 d) O₃
48. Bhopal Gas Tragedy caused due to leakage of
 a) Methyl ISO Cyanate (MIC)
 b) Sulphur dioxide
 c) Mustered gas
 d) Methane
49. Deforestation can
 a) Increase the rainfall
 b) Increase soil fertility
 c) Introduce silt in the river
 d) None of these
50. The word Environment is derived from
 a) Greek
 b) French
 c) Spanish
 d) English
