

CBCS SCHEME

18CIV59

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Question Paper Version : B

Fifth Semester B.E Degree Examination, Jan./Feb. 2023

Environmental Studies

(COMMON TO ALL BRANCHES)

Time: 2 hrs.]

[Max. Marks: 100

INSTRUCTIONS TO THE CANDIDATES

1. Answer all the **hundred** 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 Karnataka State Pollution Control Board (KSPCB) was established in the year.
a) 1974 b) 1982 c) 1973 d) 1983
 2. Which of the following is not a part of the hydrological cycle?
a) Precipitation b) Infiltration
c) Transpiration d) Perspiration
 3. First International Earth Summit was hold at
a) USA b) Russia
c) Rio-de-Janerio d) Johannesburg
 4. Which among the following has highest percentage of calorific value?
a) Anthracite b) Peat
c) Lignite d) Bituminous coal
 5. Nitrogen fixing bacteria exists in
a) Leaf b) Stem
c) Roots d) Flower
 6. The two major components of ecosystem are
a) Adiabatic and isotropic b) Ecologic and climatologic
c) Cyclic and biologic d) Abiotic and biotic
 7. Geothermal energy is a
a) Heat energy b) Wind energy
c) Current energy d) Solar energy

35. Molasses from sugar industry is used to generate
a) Biodiesel
b) Hydrogen
c) Bioethanol
d) Biomethanol
36. Wind Farms are located in
a) River basin
b) Plain area
c) Hilly area
d) Valley area
37. Biomass consists of
a) Lignin
b) Hemi cellulose
c) Cellulose
d) All of these
38. Natural gas contains
a) Carbon dioxide
b) Hydrogen
c) Methane
d) Nitrogen
39. Anti tobacco day is mentioned on
a) 31st May
b) 30st June
c) 31st July
d) 31st August
40. Population explosion will cause
a) Socio-Economic Problems
b) Food Scarcity
c) Energy crises
d) All of these
41. Which of the following element make e-waste hazardous in nature?
a) Land
b) Glass
c) Plastic
d) Iron
42. What is the hazardous pollutant released from batteries?
a) Arsenic
b) Barium
c) Cobalt
d) Cadmium
43. What is the term used for reuse of sewage sludge?
a) Compost
b) Solids
c) Biosolids
d) Sludge
44. Reduction in brightness of the famous Taj Mahal is due to
a) Global warming
b) Air pollution
c) Ozone depletion
d) Afforestation
45. E.I.A. can be expanded as
a) Environment and Industrial Act
b) Environment of Impact Activities
c) Environmental Impact Assessment
d) Environmentally Important Activity
46. Organic Farming is
a) Farming without using pesticides and chemical fertilizer
b) Enhances biodiversity
c) Promotes soil biological activity
d) All of these
47. Bio-remediation means the removal of contaminants from
a) Soil
b) Wastewater
c) Groundwater
d) Both soil and ground water

62. The word 'sustainable development' came into existence in the year.
a) 1992 b) 1978 c) 1980 d) 1987
63. The other word of landscaping is
a) Reduction b) Restoration
c) Removing topsoil d) Restore
64. Cloud seeding with silver iodide is based on the
a) Bergeron process b) Collision-coalescence process
c) Both a and b d) None of these
65. Environmental pollution is due to
a) Rapid urbanization b) Deforestation
c) Afforestation d) a and b
66. The liquid waste from bathroom and kitchen is called
a) Sullage b) Domestic sewage
c) Storm water d) Runoff
67. BOD means
a) Biochemical Oxygen Demand b) Chemical oxygen demand
c) Biophysical Oxygen Demand d) All of these
68. Which of the following source is surface water?
a) Springs b) Streams
c) Deep wells d) All of these
69. Which of the following is biodegradable?
a) Plastics b) Domestic sewage
c) Detergents d) a and c
70. Blaring sounds known to cause
a) Mental distress b) High cholesterol
c) Neurological problems d) All of these
71. Eutrophication is
a) an improved quality of water in lakes
b) a process in carbon cycle
c) the result to accumulation of plant nutrients in water bodies
d) a water purification technique
72. Primary consumer is
a) Herbivores b) Carnivores
c) Macro consumers d) Omnivores
73. Which among the following is a climatic factor?
a) pressure b) humidity
c) temperature d) all of these
74. Biodiversity can be broadly classified into how many types?
a) 2 b) 5 c) 3 d) 4

75. Hot spot areas have
 a) Low density of biodiversity
 b) Only endangered plants
 c) High density of hot springs
 d) High density of biodiversity
76. About _____ % of the earth's surface is covered by water.
 a) 53% b) 19% c) 71% d) 90%
77. Deforestation means
 a) preservation of forests
 b) destruction of forests
 c) monocrop cultivation
 d) agriculture
78. When did National Disaster Management Authority formed?
 a) 2000 b) 2005 c) 2010 d) 2015
79. Disaster is an event arising out of
 a) result of hazard event
 b) causes of hazard event
 c) causes of disaster event
 d) all of these
80. The scientific study of earthquake is called
 a) seismograph
 b) seismology
 c) both a and b
 d) none of these
81. World Environmental day is held every year on
 a) June 5th b) October 2nd c) April 22nd d) November 1st
82. Ozone layer thickness is measured in _____
 a) mm b) cm c) Dobson unit d) Db
83. First of the major environmental protection acts to be promulgated in India was
 a) The Water Act
 b) The Air Act
 c) The Environment Act
 d) Noise Pollution Rules
84. Blue baby syndrome is caused due to _____
 a) Manganese b) Ozone c) Silver d) Nitrate
85. World Earth's day is annually celebrated on
 a) April 22nd b) June 5th c) January 1st d) May 1st
86. The most important fuel used by nuclear power plant is
 a) U-235 b) U-238 c) U-245 d) U-248
87. Which of the following is a biotic component of ecosystem?
 a) Fungi
 b) Solar light
 c) Temperature
 d) Humidity
88. Abiotic component includes
 a) Soil
 b) Temperature
 c) Water
 d) All of these
89. The word "Environment" is derived from
 a) Greek
 b) French
 c) Spanish
 d) English

