

CBCS SCHEME

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Question Paper Version : A

Fifth Semester B.E. Degree Examination, July/August 2022

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 word Tsunami is derived from Two Japanese word
 a) TSU (Big) and Nami (flow) b) TSU(harbor) and Name(wave)
 c) TSU (Big wave)and Nami (wave) d) None of the above.
 2. Green house gasses are
 a) Chloro fluoro carbon b) Oxygen
 c) Chlorine d) Chloro Benzene.
 3. Taj Mahal at Agra may be damaged by
 a) Sulphur Dioxide b) Chlorine c) Earth quake d) All of these.
 4. Ozone day is observed on
 a) January 30 b) April 21 c) September 16 d) December 25.
 5. ELISA Test is used to detect
 a) Malaria b) AIDS c) Cholera d) Tuberculosis.
 6. Earth day is observed on
 a) 1st December b) 5th June c) April 22nd d) 1st January.

7. Lead Poisoning may cause
 - a) Reduction in hemoglobin
 - b) Kidney damage
 - c) Mental retardation
 - d) All of these.
8. Noise pollution limits at residential areas at Night is
 - a) 45dB
 - b) 80 dB
 - c) 55dB
 - d) 90dB.
9. Major purpose of most of the dams around the world is
 - a) Power generation
 - b) Drinking water supply
 - c) Flood control
 - d) Irrigation.
10. Herpetology is a branch of science which deals with
 - a) Reptiles only
 - b) Amphibians and Reptiles
 - c) Mammals
 - d) Fishes.
11. Water logging is a phenomenon in which
 - a) Crop patterns are rotated
 - b) Soil root zone becomes saturated due to over irrigation
 - c) Erosion of soil occurs
 - d) All of the above.
12. Coral reefs in India can be seen in
 - a) Goa
 - b) Himalayan region
 - c) Andaman and Nicobar Islands
 - d) Uttar Pradesh.
13. In which year salient valley was declared as National park
 - a) 1984
 - b) 1987
 - c) 1983
 - d) 1989.
14. SMOG is a mixture of
 - a) Snow and fog
 - b) Smoke and fog
 - c) Sulphur dioxide and fog
 - d) Snow and dust
15. Effect of modern Agriculture on soil is due to
 - a) Erosion
 - b) Acidification
 - c) Salinization
 - d) All of the above.
16. What percentage of its geographical area of a country should be under forest cover?
 - a) 23%
 - b) 43%
 - c) 13%
 - d) 33%.
17. About _____ % of the earth surface is covered by water
 - a) 53%
 - b) 19%
 - c) 71%
 - d) 90%.
18. Forest prevent soil erosion by binding soil particles in their
 - a) Stems
 - b) Roots
 - c) Leaves
 - d) Buds.
19. Blue baby syndrome (methane moglabinemia) is caused by contamination of water due to
 - a) Phosphates
 - b) Sulpher
 - c) Arsenic
 - d) Nitrates.

20. India has the largest share of which of the following
a) Manganese b) Mica c) Copper d) Diamond.
21. What is the minimum Allowable concentration of fluorides in drinking water
a) 1.0 mg/L b) 1.25 mg/L c) 1.50 mg/L d) 1.75 mg/L.
22. Nitrogen fixing Bacteria exists in – of plants
a) Leaf b) Roots c) Stem d) Flower.
23. ____ are referred to as Earth's lungs
a) Forests b) Carbon cycle c) Water sources d) Mines.
24. GIS means
a) Geographic information source
b) Spatial information system
c) Geological information system
d) Geographical information system.
25. Cholera and Typhoid are caused by
a) Worms b) Virus c) Bacteria d) Fungus.
26. Remote sensing includes gathering of
a) Images b) Changes c) Movements d) Sounds.
27. First satellites launched by India was and when
a) Aryabhata - 1975 b) Apple - 1981 c) Bhaskara - 1981 d) Kalpana – 1983.
28. Biomedical waste may be disposed off by
a) Incineration b) Autoclaving and land filling
c) Both a) and b) d) None of the above.
29. Which atmospheric layer is closest to the earth surface
a) Mesosphere b) Troposphere c) Stratosphere d) Thermosphere.
30. Sulabha Bio-gas plants are based on the use of
a) Human excreta b) Cattle dung c) Agricultural wastes d) All of these.
31. National law day is celebrated on
a) 1st April b) 26th January c) 26th November d) 1st June.
32. Geology is the study of
a) Animals b) Mammals c) Science of earth d) Space.
33. Housing has become inaccessible to the poor due to
a) Increased population b) Non-availability of food
c) High cost d) None of above.

34. Major source of fluoride available in
a) River water b) Ground water c) Food product d) Both a) and c).
35. World AIDS Day is celebrated on
a) 15th Aug b) 1st Sept c) 1st Jan d) 1st December.
36. A food web consists of
a) Portion of food chain b) Producers, Consumers and Decomposers
c) Inter locking of food chains d) A set of similar consumers.
37. Eutrofication is
a) An improved water quality status of lakes
b) The Result of Accumulation of plant nutrients in water bodies
c) A process in carbon cycle
d) A water purification techniques.
38. EIA can be expanded as
a) Environmental and Industrial Activities
b) Environment impact activities
c) Environment impact assessment
d) Environmental internal activities.
39. Identify the non renewable source of energy from the following :
a) Coal b) Tidal power c) Wind power d) Wave power.
40. An Alternative eco-friendly fuel for Automobiles is
a) Petrol b) Diesel c) CNG d) Kerosene.
41. Chernobyl nuclear disaster occurred in the year
a) 1984 b) 1952 c) 1986 d) 1987.
42. Minamata disease is caused by
a) Lead b) Mercury c) Cadmium d) Arsenic.
43. Bhopal gas Tragedy occur due to leakage of
a) Methyl/iso cyanate b) Sulphur dioxide c) Mustard gas d) Methane gas.
44. Nuclear fusion reaction occurs in the
a) Sun b) Stars c) Hydrogen bomb d) All of these.
45. Definition of noise is
a) Loud sound b) Unwanted sound
c) Constant sound d) Sound of high frequency.
46. Demography is the study of
a) Animal behavior b) Geography c) Rivers d) Population growth.

47. Acid Rain is caused by increase in the atmospheric concentration of
 a) Ozone and dust b) SO₂ and NO₂ c) SO₃ and CO d) CO₂ and CO.
48. Global warming could affect
 a) Climate b) increase in sea level
 c) Melting of glaciers d) All of these.
49. The Wild Life Protection Act in India was passed in
 a) 1978 b) 1972 c) 1986 d) 1992.
50. Environment Protection Act was enacted in year.
 a) 1986 b) 1974 c) 1992 d) 1984.
51. Environment protection is the fundamental duties of the citizen of India under the article
 a) 48 – A b) 47 – A c) 51 – A d) 21 – B.
52. The Forest Conservation Act was enacted in the year
 a) 1986 b) 1974 c) 1980 d) 1972.
53. The major contributors of the acid rain are known as
 a) Pre cursors b) Processors c) Protons d) Pollutants.
54. Typical Acid Rain pH is
 a) 4.0 b) 5.5 c) 6.0 d) 4.0 - 6.0.
55. Pesticide causes
 a) Eye irritation b) Skin irritation
 c) Respiratory ailments d) All of Above.
56. Percentage of fresh water available below the earth is
 a) 2.8% b) 2.2% c) 9.8% d) 2.15%.
57. The Quantity of solar energy received by the earth
 a) 71% b) 99% c) 45% d) 15%.
58. Which pyramid is always upright
 a) Energy b) Biomass c) Number d) Food chain.
59. The leader of Chipko movement is
 a) Sunderlal Bahuguna b) Medha Patkar
 c) Vandana Shiva d) Suresh Heblikar.
60. Padma Shri was received by immense contribution toward conservation of Trees Recently
 a) Saalumarada Thimakka b) Tulsi Gowda
 c) Vandana d) Ramnath.
61. The first international earth summit was held in
 a) New Delhi b) Kyoto c) Stockholm d) Rio de Janeiro.

62. Ozone layer thickness is measured in
 a) PPM b) PPb c) Decibels d) Dobson unit.
63. Who first discovered ozone hole
a) Shanklin b) Charles Fabry c) Henri Baisson d) John Macculay.
64. Noise is measured in
a) Decibels b) Jouls c) PPM d) NTU.
65. Terrace farming is practiced in
 a) Coastal areas b) Deserts c) plains d) Hills.
66. _____ was awarded Padma Shri for constructing primary school at his village by his earnings
a) Harekala Hajabba b) Tulsi gowda c) Chalus Fabry d) None of above.
67. Geothermal energy is a
a) Heat energy b) Current energy c) Wind energy d) Solar energy.
68. Cauvery water dispute is between
a) Karnataka and Maharastra b) Karnataka and Kerala
c) Karnataka and Tamil Nadu d) Uttar Pradesh and Madya Pradesh.
69. The word ecology is produced by
a) Ernst Haeckel b) Helena Curtis
c) Charels south wick d) Charles Alton.
70. Mining means
 a) To conserve and preserve minerals b) To extract minerals and ores
 c) To check pollution due to mineral resources d) None.
71. Fossil fuels are converted into energy by
a) Burning b) Cooling c) Sublimation d) Melting.
72. Physical pollution of water due to
 a) Dissolved oxygen b) P^H c) Turbidity d) None of above.
73. Molasses from sugar industry is used to generate
 a) Biodiesel b) Hydrogen c) Bio-ethanol d) Bio-methanol.
74. The most important fuel used by Nuclear power plant is
a) U – 235 b) U – 238 c) U – 245 d) U – 248.
75. Liquid waste generated from Bath rooms and kitchens are called
 a) Domestic sewage b) Runoff c) Salvage d) All of above.

76. Water day is celebrated on this day
 a) 22nd March b) 25th April c) 15th June d) 5th June.
77. Loss of water content through the plants into the atmosphere is called
 a) Evaporation b) Vaporization c) Hydraulic cycle d) Transpiration.
78. The hydrological cycle is related to
 a) Water and electricity b) Water characterization
 c) Hydro power d) Water cycle and Balance.
79. The World Environment Day is celebrated on
 a) June 5th b) November 5th c) April 5th d) December 26th.
80. Nuclear power plant in Karnataka is located at
 a) Bhadravathi b) Sandur c) Raichur d) Kaiga.
81. Cell phones emits _____ type of Radiation
 a) Radio frequency Radiation b) UV radiation
 c) X ray radiation d) None of Above.
82. Water bearing rock readily Transmitts water to well and springs
 a) Aquifer b) Porosity c) Permeability d) None of Above.
83. Karnataka State Pollution Control Board (KSPCB) was established in the year.
 a) 1947 b) 1982 c) 1986 d) 1974.
84. In the world's population, India Accounts for
 a) 10% b) 5% c) 17.7% d) 16%.
85. Which of the following is not a biodegradable pollutant
 a) Plastic b) Skins of vegetable and Fruits
 c) Dry leaves d) Paper.
86. Sundarbans is the name of place in
 a) Assam b) West Bengal c) Karnataka d) None of these.
87. Western ghats are locate in
 a) North East India b) Maharashtra c) Peninsular India d) Gujarat.
88. DDT is a
 a) Fungicide b) Pesticide c) Fertilizer d) Disinfectant.
89. Kala Azar is spread by
 a) Sand files b) Mosquitoes c) Rats d) Tapeworms.

90. SARA refer to
a) Severe acute respiratory syndrome
b) Self acute respiratory system
c) Severe acute respiratory system
d) Self accurate rest syndrome
91. Landslides are caused by
a) Earth quakes b) Dam buildings c) Mining d) All of these.
92. The virus that causes AIDS is
a) HIV b) TMV c) HMV d) None of these.
93. Rearing fish is called
a) Sericulture b) Fish culture c) Pisci culture d) Horti culture.
94. Percentage methane content of Biogas is
a) 50 to 70% b) 85% c) 5% d) 95%
95. Environment means
a) A beautiful land scape b) Industrial production
c) Air and water d) Sum of total all condition.
96. Taungya system is
a) Agro forestry b) Mining c) Exhaustable d) None of these.
97. Lithosphere means
a) Air b) Water c) Micro-organisms d) Rock and Soils.
98. Which among the following is a climate factor
a) Pressure b) Humidity c) Temperature d) All of these.
99. The forest is
a) Abiotic b) Biotic c) Both A and B d) None of these.
100. Store hours of minerals is
a) Soil b) Water c) Forest d) All of these.

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