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18CIV59

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USN					Question Paper Version:

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

- Answer all the hundred 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 5. prohibited.
- 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.

- Green house gasses are 2.
 - a) Chloro fluro carbon

b) Oxygen

c) Chlorine

- d) Chloro Benzene.
- Taj Mahal at Agra may be damaged by 3.
 - a) Sulphur Dioxide b) Chlorine
- c) Earth quake
- d) All of these.

- Ozone day is observed on 4.
 - a) January 30
- b) April 21
- c) September 16
- d) December 25.

- ELISA Test is used to detect 5.
 - a) Malaria
- b) AIDS
- c) Cholera
- d) Tuberculosis.

- Earth day is observed on b) 5th June
 - a) 1st December

- c) April 22nd
- d) 1st January.

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18CIV59 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. Herpetology is a branch of science which deals with 10. b) Amphibians and Reptiles a) Reptiles only c) Mammals d) Fishes. Water logging is a phenomenon in which 11. 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 b) Himalayan region a) Goa c) Andaman and Nicobar Islands d) Uttar Pradesh. In which year salient valley was declared as National park 13. a) 1984 b) 1987 c) 1983 d) 1989. 14. SMOG is a mixture of a) Snow and fog b) Smoke and fog c) Sulpher dioxide and fog d) Snow and dust Effect of modern Agriculture on soil is due to 15. a) Erosion b) Acidification c) Salinization d) All of the above. What percentage of its geographical area of a country should be under forest cover? 16. a) 23% **b)** 43% c) 13% d) 33%. % of the earth surface is covered by water About 17. a) 53% b) 19% c) 71% d) 90%. 18. A Forest prevent soil erosion by binding soil particles in their a) Stems b) Roots c) Leaves d) Buds. Blue baby syndrome (methane moglabinemia) is caused by contamination of water due to a) Phosphates b) Sulpher c) Arsenic d) Nitrates.

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20.	India has the large	st share of which of th	e following	
	a) Manganese	b) Mica	c) Copper	d) Diamond.
21.	What is the minim	um Allowable concen	tration of fluorides in drink	ing water
	a) 1.0 mg/L	b) 1.25 mg/L	c) 1.50 mg/L	d) 1.75 mg/L.
22.	Nitrogen fixing Ba	cteria exists in – of pl	ants	
	a) Leaf	b) Roots	c) Stem	d) Flower.
22	ara raformad to	as Farth's lungs		
23.	a) Forests	as Earth's lungs b) Carbon cycle	c) Water sources	d) Mines.
	a) Polests	b) Carbon cycle	c) water sources	d) killes.
24.	GIS means			
	a) Geographic info	rmation source		
	b) Spatial informat	tion system		
	c) Geological info	rmation system		
	d) Geographical in	formation system.		
25.	Cholera and Typho	oid are caused by		
	a) Warms	b) Virus	c) Bacteria	d) Fungus.
26.		cludes gathering of		10.0
	a) Images	b) Changes	c) Movements	d) Sounds.
27.		ched by India was and		
	a) Aryabhatta - 19	75 b) Apple - 1981	c) Bhaskara - 1981	d) Kalpana – 1983.
28.	Biomedical waste	may be disposed off b	V.	
	a) Incineration		b) Autoclaving and land	filling
	c) Both a) and b)		d) None of the above.	
		AVI		
29.	Which atmospheri	c layer is closest to the	e earth surface	
	a) Mesosphere	b) Troposphere	c) Stratosphere	d) Thermosphere.
			1	
30.	Sulabha Bio-eas n	lants are based on the	use of	
00.	a) Human excreta		c) Agricultural wastes	d) All of these.
			,	.,
31.	National law day i	celebrated on		
31.	a) 1 st April	b) 26 th January	c) 26 th November	d) 1 st June.
	a) 1 / April	b) 20 Sandary	c) 20 November	d) I suite.
22	Carles via the stu	de of		
32.	Geology is the stud	b) Mammals	c) Science of earth	d) Space
4	a) Animals	b) Maiiiilais	c) science of earth	d) Space.
33.	The state of the s	me inaccessible to the		
-	a) Increased popul	ation	b) Non-availability of	food
	c) High cost		d) None of above.	
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18CIV59 Major source of fluoride available in 34. b) Ground water c) Food product d) Both a) and c). a) River water 35. World AIDS Day is celebrated on a) 15th Aug c) 1st Jan d) 1st December b) 1st Sept 36. A food web consists of b) Producers, Consumers and Decomposers a) Portion of food chain c) Inter locking of food chains d) A set of similar consumers. 37. Eutrification 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. EIA can be expanded as 38. a) Environmental and Industrial Activities b) Environment impact activities c) Environment impact assessment d) Environmental internal activities. Identity the non renewable source of energy from the following: 39. c) Wind power d) Wave power. a) Coal b) Tidal power An Alternative eco-friendly fuel for Automobiles is 40. e) CNG b) Diesel a) Petrol d) Kerosene. 41. Chernobyl nuclear disaster occurred in the year a) 1984 b) 1952 c) 1986 d) 1987. Minamata disease is caused by 42. a) Lead b) Mercury c) Cadmium d) Arsenic. Bhopal gas Tragedy occur due to leakage of 43. a) Methyl/iso cyanate b) Sulphur dioxide c) Mustard gas d) Methane gas. Nuclear fusion reaction occurs in the 44. b) Stars c) Hydrogen bomb a) Sun d) All of these. Definition of noise is 45. a) Loud sound b) Unwanted sound c) Constant sound d) Sound of high frequency. Demography is the study of c) Rivers a) Animal behavior b) Geography d) Population growth. 4 of 8

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18CIV59 Acid Rain is caused by increase in the atmospheric concentration of d) CO2 and CO. a) Ozone and dust b) SO₂ and NO₂ c) SO3 and CO 48. Global warming could affect a) Climate b) increase in sea level c) Melting of glaciers d) All of these. The Wild Life Protection Act in India was passed in 49. d) 1992. a) 1978 b) 1972 c) 1986 50. Environment Protection Act was enacted in year. a) 1986 b) 1974 51. Environment protection is the fundamental duties of the citizen of India under the article d) 21 - B. b) 47 - Aa) 48 - Ac) 51 - AThe Forest Conservation Act was enacted in the year 52. c) 1980 a) 1986 b) 1974 d) 1972. The major contributors of the acid rain are known as 53. c) Protons a) Pre cursors b) Processors d) Pollutants. 54. Typical Acid Rain pH is a) 4.0 b) 5.5 d) 4.0 - 6.0. c) 6. 55. Pesticide causes b) Skin irritation a) Eve irritation d) All of Above. c) Respiratory ailments Percentage of fresh water available below the earth is 56. 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%. Which pyramid is always upright 58. a) Energy b) Biomass c) Number d) Food chain. The leader of Chipko movement is 59. a) Sunderlal Bahuguna b) Medha Patkar c) Vandana Shiva d) Suresh Heblikar. Padma Shri was received by immense contribution toward conservation of Trees Recently a) Saalumarada Thimakka b) Tulsi Gowda) Vandana d) Ramnath. The first international earth summit was held in a) New Delhi d) Rio de Janeiro. b) Kyoto c) Stockholm 5 of 8

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62.	Ozone layer thicknes a) PPM	s is measured in b) PPb	c) Decibels	d) Dobson unit.
63.	Who first discovered a) Shankliln	ozone hole b) Charles Fabry	c) Henri Baisson	d) John Macculay.
64.	Noise is measured in a) Decibels	b) Jouls	c) PPM	d) NTU.
	,	7		
65.	Terrace farming is pr	acticed in		
	a) Coastal areas	b) Deserts	c) plains	d) Hills.
66.		ed Padma Shri for co	onstructing primary sel	nool at his village by his
	earnings a) Harekala Hajabba	b) Tulsi gowda	c) Chalus Fabry	d) None of above.
67.	Geothermal energy is	s a		
07.	a) Heat energy	b) Current energy	c) Wind energy	d) Solar energy.
68.	Cauvery water disput a) Karnataka and Ma		b) Karnataka and K	erala
	c) Karnataka and Tar	nil Nadu	d) Uttar Pradesh and	d Madya Pradesh.
69.	The word ecology is a) Ernst Haeckel c) Charels south wich		b) Helena Curtis d) Charles Alton.	
=0		Co		
70.	Mining means a) To conserve and p	reserve minerals	b) To extrac	t minerals and ores
		n due to mineral reso		t minerals and ores
71.	Fossil fuels are conve	erted into energy by		
	a) Burning	b) Cooling	c) Sublimation	d) Melting.
72.	Physical pollution of	water due to		
	a) Dissolved oxygen	7 77	c) Turbidity	d) None of above.
73.		industry is used to ge		
	a) Biodiesel	b) Hydrogen	c) Bio-ethanol	d) Bio-methanol.
74.	The most important t	fuel used by Nuclear p	power plant is	
·	a) U – 235	b) U – 238	c) U – 245	d) U – 248.
75	I muid waste coment	ad from Dath manner	and kitahana ara asllad	
	a) Domestic sewage		and kitchens are called c) Salvage	d) All of above.

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76.	Water day is celeb a) 22 nd March		c) 15 th June	d) 5 th June.	
77.	Loss of water cont a) Evaporation	ent through the plants b) Vaporization	into the atmosphere is ca c) Hydraulic cycle	lled d) Transpiration.	
=0					
78.	The hydrological of	O. T. C.	b) Water characteriza	ntion	
	a) Water and electron b) Hydro power	ricity	d) Water cycle and Balance.		
79.		nment Day is celebrate			
	a) June 5 th	b) November 5 th	c) April 5 th	d) December 26 th .	
80.	Nuclear power pla	nt in Karnataka is loca	ted at		
	a) Bhadravathi	b) Sandur	c) Raichur	d) Kaiga.	
81.	Cell phones emits				
	a) Radio frequencyc) X ray radiation	y Radiation	b) UV radiationd) None of Above.		
			4		
82.	Water bearing rock a) Aquifer	k readily Transmitts wa b) Porosity	ater to well and springs c) Permeability	d) None of Above.	
83.			(KSPCB) was establishe		
	a) 1947	b) 1982	e) 1986	d) 1974.	
84.	In the world's pop	ulation, India Accounts	s for		
	a) 10%	b) 5%	c) 17.7%	d) 16%.	
85.	Which of the follo	wing is not a biodegrad	dable pollutant		
	a) Plasticc) Dry leaves	1	b) Skins of vegetabled) Paper.	and Fruits	
86.	Sundarbans is the	The state of the s			
	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 sprea	d by			
3.	a) Sand files	b) Mosquitoes	c) Rats	d) Tapeworms.	
	a) sails into	o, modulos	-) 2000	o, rape norms.	
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18CIV59 90. SARA refer to a) Severe acute respiratory syndrome b) Self acute respiratory system c) Severe acute respiratory system d) Self accurate rest syndrome Landslides are caused by 91. d) All of these. b) Dam buildings a) Earth quakes c) Mining The virus that causes AIDS is 92. a) HIV b) TMV c) HMV d) None of these. Rearing fish is called 93. a) Sericulture b) Fish culture c) Pisci culture d) Horti culture. Percentage methane content of Biogas is 94. a) 50 to 70% b) 85% c) 5% 95. Environment means b) Industrial production a) A beautiful land scape d) Sum of total all condition. c) Air and water 96. Taungya system is c) Exhaustable a) Agro forestry b) Mining d) None of these. Lithosphere means 97. c) Micro-organisms b) Water d) Rock and Soils. a) Air Which among the following is a climate factor 98. a) Pressure b) Humidity c) Temperature d) All of these. The forest is 99. b) Biotic a) Abiotic c) Both A and B d) None of these. 100. Store hours of minerals is b) Water a) Soil c) Forest d) All of these.