18CIV594

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USN			Question Paper Version:	

Fifth Semester B.E. Degree Examination, Feb./Mar. 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
- 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.
- The word Environment is derived from a) Greek b) French c) Spanish d) English Primary consumer a) Herbivores b) Carnivores c) Macro consumer d) Omnivores Abiotic component includes 3. b) Temperature c) Water a) Soil d) All the three Atmosphere consists of 79% Nitrogen and 21% oxygen by b) Weight a) Volume c) Density d) All the three Which of the following is a biotic component of an eco system b) Solar light a) Fungi c) Temperature d) Humidity Which pyramid is always upright a) Energy b) Biomass d) Food chain c) Number Which of the following conceptual sphere of environment is having the least storage capacity for matter. a) Atmosphere b) Lithosphere c) Hydrosphere d) Biosphere

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8.	The objective of environment education is a) Raise consciousness about environmental conditions b) To teach environmentally appropriate behavior c) Create an environmental ethic. d) All of the above					
9.	The sequence of eating and being eate a) Food chain c) Hydrological cycle	en in an ecosystem is called b) Carbon cycle d) Anthroposystem				
	c) 11, an ological cycle	a). Inimoposjaten				
10.	The largest reservoir of Nitrogen in or a) Ocean b) Atmosphe		d) Hydrosphere			
11.	Which of the following is a producer a) Plant and some bacteria capable of b) Animals c) Humanbeing d) Fish		5			
	T1 1					
12.	The basic requirements of human being a) Industrialization b) Agricultur		d) Urbanization			
	a) industrialization b) Agricultur	e c) Nature	d) Croanization			
13.	In an ecosystem biological cycling of	materials is maintained by				
	a) Producer b) Consume	r c) Decomposer	d) All of these			
14.	A predator is					
	a) An animal that is fed upon					
	b) An animal that feeds producers c) An animal that hunts and feeds on their animals					
	d) A primary consumer	dier allinais				
	d) 11 primary consumer					
15.	The major atmospheric gas layer in st	ratosphere is				
	a) Hydrogen b) Carbon-di	oxide c) Ozone	d) Helium			
	William I am I am	1 1 6				
16.	Which atmospheric sphere is closest to		d) Evaenhere			
	a) Troposphere b) Starto sphere	ere c) Mesosphere	d) Exosphere			
17.	World environmental day is on					
	a) 5 th May b) 5 th June	c) 22 nd July	d) 5 th July			
		A Young				
18.	Which of the following is absorbed by					
	a) Carbon dioxide b) Water	c) Nutrients	d) All of the above			
19.	Habitat refer to					
	a) Physical conditions of the place wh	nere organism live				
	b) Chemical conditions of the place w					
	c) Both a and b					
	d) None of a and b					
20.	A food web consists of					
	a) A portion of a food chain b) An organisms position in a food ch	aain				
	c) Interlocking of food chain					
	d) A set of similar consumer					

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21.	in an ecosystem ure	now of energy is					
	a) Bidirectional	b) Cyclic	c) Unidirectional	d) Multidirectional			
22.	Estuary means						
	a) Rich in nutrients						
	b) End point of the						
	c) Meeting place of						
	d) Treatment of wat						
	d) Treatment of war	ici .					
23.	What percentage of	its geographical area of	f a country should be u	inder forest cover?			
	a) 23%	b) 43%	c) 13%	d) 33%			
24.	Mineral resources a	ire					
	a) Renewable	b) Available in ple	enty c) Non-renewable	d) Equally distributed			
25.	Which of the follow	wing is considered as an	alternate fuel				
25.				d) D tool			
	a) CNG	b) Kerosene	c) Coal	d) Petrol			
26.	Chemobyl nuclear	disaster occurred in the	year				
	a) 1984	b) 1972	c) 1986	d) 1987			
	-,						
27.	Electromagnetic rac	diation can cause					
	a) Plague	b) Malaria	c) Cancer	d) Fever			
• •	omna i						
28.		technology that conver					
		ides ocean to generate e	The state of the s				
		wave to generate electr					
	c) Energy in ocean	c) Energy in ocean due to thermal gradient to generate electricity					
	d) Energy in the fas	t moving ocean current	to generate				
29.		f solar energy is attaine	d by				
	 a) Solar photo volta 						
	b) Solar hybrid syst						
	c) Solar thermal system						
	d) Solar air heater						
		4					
30.	Hydrogen energy ca	an be trapped through					
	a) Heat pump		b) Fuel cell				
	c) Photovoltaic cell		d) Cell				
21	Carry day	and I					
31.	Cow dung can be us	sed	b) F	ofhio and			
	a) As manure		b) For production	_			
	c) As fuel		d) All of the above	e			
32.	Natural gas contain	s					
	a) CO ₂	b) H ₂	c) CH ₄	d) N ₂			
				· -			
33.	Nuclear waste is ac	tive for					
	a) 10 years	b) 50 years	c) 70 years	d) Centuries			
34.		industry is used to gen					
-	a) Biodiesel	b) Hydrogen	c) Bio-ethanol	d) Bio methanol			
25	Number	t in Vannetales is to see	d at				
35.		t in Karnataka is locate	c) Raichur	AVECE			
	a) Bhadravathi	b) Kaiga	Page 3 of 8	d) KGF			
-			race to a				

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18CIV594 Which resources are in exhaustible 36. a) Renewable b) Fossil fuel c) Non Renewable d) Mineral 37. Earth day is held every year on c) November 23rd d) January 26th a) April 22nd b) 5th June Oil and gas are preferred because of 38. c) Strong smell d) All of the a) Easy transportation b) Cheap 39. Mining means a) To conserve and preserve minerals b) To check pollution due to mineral resources c) To extract minerals and ores d) None of these What would you do to prevent environmental damage 40. a) Plant trees b) Halt deforestation c) Control pollution d) All of the above Effect of modern agriculture on soil is due to 41. b) Acidification c) Salinization d) All a) Erosion 42. Bio - remediation means removal of containments from a) Soil b) Wastewater c) Ground water d) All Population explosion will cause 43. a) Bio diversity b) Stress in ecosystem c) Unemployment d) None of these Smog is combination of 44. a) Smoke and Snow b) Snow and Fog c) Smoke and Fog d) All the above Physical pollution of water is due to 45. b) Chloride a) pH d) All of these c) Turbidity Renewable energy i 46. a) Primary source b) Secondary source c) Tertiary source d) none of the above Generation of wind energy is mainly based on 47. a) Storm b) Pressure c) Velocity of wind d) Direction of wind 48. Which of the following is not a green house gas? a) Ozone b) Water vapour c) CO2 d) Sulpher dioxide World ozone day is being celebrated on every year c) Oct 15th d) June 5th b) Sept 16th

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18CIV59 50. First International earth summit was held at a) Germany b) Stock Holm c) Riode Janeiro d) England Environmental protection is a fundamental duty of the citizen of India under the 51 d) Article 51-A(9) b) 47 c) 48-A Important sources of land pollution are 52 a) Industrial waste b) Agricultural waste d) None of the above c) Both (a) and (b) 53 The radiations absorbed by ozone layer are a) Ultra violet b) Infra red c) Gamma rays Visible 54 The first major environmental Protection Law promulgated in India was a) Air Act b) Water Act d) None of these c) Environmental Act Which of the following is the authority to monitor state industrial effluents? 55 a) State pollution control board b) Indian environmental association c) Centre for science and development d) None of these What is the permissible range of pH for drinking water as per Indian standards 56 d) 6.5 to 8.5 b) 6.5 to 7.5 c) 6 to 8 57 What is the maximum allowable concentration of fluorides in drinking water a) 1.0 mg/l b) 1.25 mg/ e) 1.5 mg/l d) 1.75 mg/l 58 Which of the following is a non point source of water pollution a) Factories b) Sewage treatment plants d) All of the above c) urban and suburban lands Nitrogen fixing bacteria exists in - of plants 59 b) Roots a) Leaf c) Stem d) Flower 60 Forest rich area in Karnataka in found in a) Western Ghats b) Kodagu c) Mangalore d) Belagavi Cholera and typhoid are caused by 61 a) Worms) Virus c) Bacteria d) Fungus Hepatitis is caused by 62 a) Protozoa b) Virus c) Fungus d) Bacteria The required iron content in drinking water as specified by BIS is 63 a) 300 mg/ c) 3 mg/l b) 30 mg/L d) 0.3 mg/lThe pH value of the acid rain water is less than 64 a) 3.2 b) 5.7 c) 7.0 d) 8.7 Reduction of brightness of famous Taj Mahal is due to a) Global warming b) Air pollution c) Ozone depletion d) Afforestation

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18CIV59 Ozone layer thickness is measured in 66 a) PPM b) PPB c) Decibles d) Dobson unit 67 Ferons are a) HFC b) CFC c) NFC d) Hydrocarbon Bhopal gas tragedy caused due to leakage of 68 a) Methyl iso cyanate (MIC) b) Sulphur dioxide c) Mustard gas d) Chlorine gas 69 ICDS is a welfare scheme for a) Public b) Women c) Men Study of trends in human population growth and prediction of future growth is called 70 c) Kalography a) Demography b) Biography d) Psychology 71 Biochemical oxygen demand measures a) Industrial pollution b) Air pollution c) Polluting capacity of effluents d) Dissolved O2 needed by microbes to decompose organic wastes 72 Increasing skin cancer and high mutation rate are the result of b) Acid rain a) Ozone depletion c) CO₂ pollution d) CO pollution 73 Sound become hazardous noise pollution at decibels c) Above 100 d) Above 120 a) Above 30 b) Above 80 The zero population growth due to equal birth and death rates is called 74 b) Demographic transition a) Natural increase c) Fertility rate d) Replacement level Cauvery water dispute is in between 75 a) Karnataka and Andra Pradesh b) Karnataka and Maharashtra c) Karnataka and Tamil Nadu d) None of these Khetri (Rajasthan) is famous for 76 a) Gold mine b) Copper mine d) Marble stone c) Granite stone The Water (Prevention and control of pollution) Act was enacted in the year 77 a) 1986 b) 1974 c) 1994 d) 1984 78 The Forest (conservation) Act was enacted in the year a) 1986 b) 1974 c) 1980 d) 1972 Environmental protection is the responsibility of a) Goyt, of India c) Individual b) NGOs d) All 80 Which of the following is NGO a) Narmada Bachao Andolan b) Pollution control board c) Gove. Conservation board d) None of these Page 6 of 8

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81	The leader of Chipk a) Sunderlal Bahugu	o movement is ina b) Medha Patkar	c) Vandana Shiva	d) Anna Hazare
82	The Tiger conservat	ion project was started b) 1984	in c) 1999	d) 2004
83	An international cor a) Kyoto	b) Vienna	ntal education was held c) New Delhi	in December 1982 at d) Rome
84	ISO 14000 standard	s deals with		
	a) Population manag	gement	b) Risk manageme	nt 🔷
	c) Environmental m	anagement	d) None of the abo	ve
85	The First Internation	nal Earth Summit was h	neld at	
00	a) Johannesburg	b) Rio de Janeiro	c) Kyoto	d) Stock holm
86	Disease caused by e	ating fish inhabiting m	ercury contaminated w	ater is
	a) Bright's disease		b) Minimata diseas	ie.
	c) Hashimoto diseas	e	d) Osteoselerosis	
87	Nitrogen oxide and	hydrocarbons released	by automobiles interac	t to form
	a) Carbon monoxide	•	c) PAN	d) Aerosols
88	The world AIDS da	v is recalled on		
	a) 1 st July	b) 5 th June	e) 1 st December	d) 5 th October
89	ENVIS Means			
	a) Environmental In	formation System		
	b) Environmental In	The state of the s		
	c) Environmental In	formation Service *		
	d) None of the abov	e		
90	Corona viruses is a			
	a) DNA viruses		b) RNA viruses	
	c) Chromosomal vir	uses	d) None of the abo	ve
91	Where did the first o	ease of corona virus die	sees originate	
91	a) Yamen city	b) Wuhan city	c) Whattman city	d) Wang city
	a) ramen only	b) It alian only	c) whatiman only	d) wang only
92	SARS refer to			
	 a) Severe acute resp 			
	b) Self acute respire			
	c) Severe acute resp			
	d) Self accurate rest	syndrome		
93	Effect of carbon mo	noxide on blood, causi	ng	
	a) H ₂ CO ₃	b) COHb	c) CO ₂ Hb	d) HbCO ₂
94	Which of the follow	ing is the most stable e	ecoevetem	
94	a) Mountain	b) Desert	c) Forest	d) Ocean
1		U) Desert	C) I Glost	d) Count
95		n phytoplankton can be		
	a) Consumer		b) Producer	
	c) Saprotropic organ	nisms	d) Macro consume	r

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18CIV59 96 A primary succession on bare rock starts with a) Lichens d) Animals b) Herbs c) Trees 97 Which one is matching sanctuary b) Gir -Lion a) Kaziranga - musk deer c) N.E. Himalayan region - Samber d) Sunderban - rhino Which group of vertebrates comprises the highest number of endangered species 98 a) Birds b) Mammals c) Fishes d) Reptiles In our country the percentage of land under forest is about 99 b) 19% 100 Fluoride pollution mainly affects c) Heart a) Kidney b) Brain

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