Version: A

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Fifth Semester B.E Degree Examination, June/July 2024 **Environmental Studies**

(COMMON TO ALL BRANCHES)

		Phil				
ime: 2	2 hrs.]	0,3		[Max. Marks: 100		
	INST	RUCTIONS TO	THE CANDIDA	ATES		
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 s	same question nur	nber on the OMR	sheet.		
4.	Darkening two circles f	for the same question	on makes the answe	er invalid.		
5.	Damaging/overwriting	g, using whitene	ers on the OMR	sheets are strictly		
	prohibited.	CS -	8			
1.	Atmosphere consists of a) Volume	79 percent Nitrogen b) Weight	and 21 percent oxyge c) Density	en by d) All of these		
2.	Which of the following a)Fungi	is a biotic componen b) Solar light	t of an ecosystem? c) Temperature	d) Humidity		
3.	In an ecosystem, the flow a) Bidirectional	w of energy is b) Cyclic	c) Unidirectional	d) Multidirectional		
4.	Which pyramid is alway a)Biomass	s upright? b) Energy	c) Numbers	d) Food chain		
5.	The organisms which disa)Saprophytes	rectly feed on products) Decomposers	cers are called. c) Carnivores	d) Herbivores.		
6.	The sequence of eating a a) Food chain c) Hydrological cycle	and being eaten in an	b) Carbon cycle d) Anthroposystem			
7.	The largest reservoir of a) Oceans	nitrogen in our plane b) Atmosphere	et is c) Biosphere	d) Fossil fuels		
8.	In an aquatic ecosystem a)Consumer	phytoplankton can b b) Producer	be considered as a c) Saprophytes	d) Macroconsumer		
9.	In an ecosystem biologic	cal cycling of materia	als is maintained by	d) All of these		

10.	The word "Environmen			N P 1' 1
	a)Greek	b) French	c) Spanish	d) English
11.	The major atmospheric a)Hydrogen	gas layer in stratosphe b) Carbon dioxide	ere is c) Ozone	d) Helium
12.	World Environment day a)5 th May	v is on b) 5 th June	c) 18 th July	d) 16 th August
13.	A food web consists of a) Portion of a food cha c) Interlocking food cha		b) An organisms po d) A set of similar of	osition in a food chair consumers.
14.	Which of the following a) Solid waste c) Air pollution	is not the environmen	tal effects of industri b) Water pollution d) Economic growt	
15.	Mining means a) Conserve and preserve b) To check pollution de c) To extract minerals and d) None of these	ue to mineral resource	es .	
16.	EIA can be expanded as a) Environment and Ind c) Environmental Impac	ustrial Act	b) Environment and d) Environmentally	l impact Activities Important Activity
17.	Which of the following a) Scoping c) Identifying and evaluation		(A? b) Screening d) All of these	5
18.	"Earth day" is held even a) June 5 th	ry year on b) November 23 rd	c) April 22 nd	d) January 26 th
19.	Eutrophication is a) Improved quality of the body A process in carbon (c) Result of accumulation d) Water purification te	cycle on of plant nutrients in	n water bodies	
20.	Which of the following a) Using chemical fertil c) Organic farming		ental friendly agricult b) Using insecticide d) None of these	
21.	Forests prevent soil eros a) Stems	sion by binding soil pa b) Roots	articles in their. c) Leaves	d) Buds
22.	Blue baby syndrome is a) Phosphates	caused by the contam b) Sulphur	ination of water due t c) Arsenic	d) Nitrates
23.	India has the largest sha a) Manganese	re of which of the fol b) Mica	c) Copper	d) Diamond

24.	Out of the following nu a) Nitrogen	trients in fertilizer, what b) Phosphorous	nich one causes minir c) Potassium	num water pollution d) Organic matter
25.	What is the permissible a) 6 to 9	e range of p ^H for drinki b) 6.5 to 7.5	ing water as per the Ir c) 6 to 8.5	ndian standards? d) 6.5 to 8.5
26.	What is the maximum a a) 1 mg per litre c) 1.50 mg per litre	allowable concentratio	b) 1.25 mg per litre d) 1.75 mg per litre	
27.	Earths atmosphere cont a) 98	tains % of nitro	gen c) 21	d) 78
28.	Conversion of ammonia a) Mineralization	um to NO ₃ by chemica b) Leaching	al oxidation is termed c) Nitrification	as d) Denitrification
29.	Nitrogen fixing bacteria a) Leaf	exists in of pla b) Roots	ants c) Stem	d) Flower
30.	${a}$ are referred to a an interest ${a}$	as Earth's lungs b) Carbon cycles	c) Water sources	d) Mines
31.	Cholera and typhoid are a) Worms	e caused by b) Virus	c) Fungus	d) Bacteria
32.	Disfigurement in the tea a) Mercury	eth is caused by excess b) Nitrate	sive amount of c) Fluoride	d) Lead
33.	The required iron conte a) 300 mg/l	ent in drinking water as b) 30 mg/l	s specified by BIS is c) 3 mg/l	d) 0.3 mg/l
34.	The most important fue a) U-235	l used by nuclear pow b) U-238	er plant is c) U-245	d) U-248
35.	Biogas is produced by a) Microbial activity c) Both (a) and (b)	3.ho.	b) Harvesting crop d) None of these	
36.	Chernobyl nuclear disas a) 1984	ster occurred in the year	ar c) 1986	d) 1987
37.	Which of the following a) Fossil fuels c) Tidal wave energy	not a renewable source	b) Solar energy d) Wind energy	
38.	Hydrogen energy can be a) Heat pumps	e tapped through b) Fuel cells	c) Photovoltaic cells	s d) Gasifiers
39.	Nuclear fusion uses the a) Carbon c) Hydrogen	following as a fuel:	b) Helium d) Water	
40.	Which of the following a) Graphite	is used as moderator is b) Helium gas 3 o	c) Heavy water	d) All of these

41.	Nuclear power plant in I	Karnataka is located at	t	Ch.	
	a) Bhadravathi		-	Sandur	
	c) Raichur		d)	Kaiga	
42.	Cow Dung can be uses a			: 1	
42.	a) Manure	15	b)	Production of Bio	gas
	c) Fuel			All of these	B40
	c) I dei	A	•	THI OI MOO	
43.	Molasses from sugar inc	lustry is used to genera	ate		7
	a) Biodiesel	b) Hydrogen		Bioethanal	d) Biomethanal
	Nacalaga massaga ia baina	nraduand from		X *	
44.	Nuclear power is being ja) Carbon-14	produced from	h)	Nuclear fission	
	c) Petroleum combustion	n - 0 "		Natural gas.	
	c) retroicum comoustio	" 9	u)	Tratural gas.	
45.	Wind energy generation	depends on			
	a) Direction of wind	0	b)	Velocity of wind	
	c) Humidity		d)	Precipitation	
16	William - Calla - Callandina	is sansidared as an alt	orn	ata firal?	
46.	Which of the following			Coal	d) Petrol
	a) CNG	b) Kerosene	C)	Coai	d) I choi
47.	Livestock wastes release	e large amount of	i	n to environment	
	a) NH ₄	b) NH ₃	c)	NO ₃	d) NO ₄
2000	A	. 6			
48.	The depletion of trees is			Carlo Control	10.00
	a) NO ₂	b) SO ₂	c)	CO ₂	d) O ₂
49.	Excess of fluorides in di	rinking water is likely	to	cause	o'
	a) Blue babies)		Flurosis	
	c) Taste and odour	000		Intestinal irritatio	n
				Car	
50.	What percentage of its g				
	a) 23	b) 43	c)	13	d) 33
51.	Environmental pollution	is due to		"According	
31.	a) Rapid Urbanization	i is due to	h)	Deforestation	
	c) Afforestation	OV		a and b	
	c) Anorestation	The same	u)	a and b	
52.	Which of the following	is air pollutant?			
Ca	a) CO	b) O ₂	c)	N_2	d) Au
	22 1 . 1 . C.1 . C.11	12 1 3 1 1 1	1 .		
53.	Which of the following				d) All of these
	a) Plastics	b) Domestic sewage	c)	Detergent	d) All of these
54.	Mining practices lead to				
	a) Population growth	Desire	b)	Rapid urbanization	on
	c) Loss of grazing and f	Certile land		None of these	
			ಿಕೆ		
55.	The liquid waste from b	aths and kitchens is ca			
	a) Sullage			Domestic sewage	!
	c) Storm waste	(M)		Run off	
		4 o	f8		

56.	BOD means	
	a) Biochemical Oxygen Demand	b) Chemical Oxygen Demand
	c) Biophysical Oxygen Demand	d) All of these
57.	Physical pollution of water is due to	
	a) Dissolved oxygen	b) Turbidity
	c) p ^H	d) None of these
58.	Sound beyond which of the following lev	The state of the s
	a) 40dB	b) 80dB
	c) 120dB	d) 150dB
59.	Smog is	6
	a) A natural phenomenon	b) Combination of Smoke and fog
	c) Colourless	d) All of these
60.	Air pollution from automobiles can be co	ntrolled by fitting:
	a) Electrostatic Precipitator	b) Wet scrubber
	c) Catalytic converter	d) All of these
61.	"Minamata disease" is caused due to	
	a) Lead	b) Arsenic
	c) Mercury	d) Cadmium
62.	Increase in asthma attacks has been linker	d to high lovels of
02.	Increase in asthma attacks has been linked	
	a) Nitrogen	b) Oxygen
	c) Air borne dust particles	d) All of these
63.	Population explosion will cause	13.
	a) Biodiversity	b) Stress on ecosystem
	c) More employment	d) None of these
64.	Which of the following is having high po	pulation density?
	a) India	b) China
	c) USA	d) Europe
65.	The average life expectancy around the w	vorld is currently.
	a) Decreasing	b) Increasing
7	c) Not changing	d) Stabilizing
66.	The major objectives of family welfare pr	ograms in India is
ου.	a) Disease control	b) Population growth rate control
	c) Employment generation	d) None of these
6 7		aharaataristia?
67.	Which of the following is not population	b) Total fertility rate
	a) Doubling time	10개 : :::: : : : : : : : : : : : : : : :
المعاولين ا	c) Gross domestic product growth rate	d) Infant mortality rate
68.	Demography is the study of	b) Population growth
	a) Animal behavior	b) Population growthd) None of these
	c) River	a) None of these

69.	The meaning of global warming is a) Increase in temperature of climate c) Solar radiation	b) A planet hotter than earth d) Cooling effect
70.	The first of the major environmental protec	tion act to be promulgated in India wa
110707	a) Water act	b) Air act
	c) Environmental act	d) Noise pollution rules
71.	The international protocol to protect the oze	one layer is
	a) Vienna protocol	b) Kyoto protocol
	c) Cartagena protocol	d) Montreal protocol
72.	The protocol that reduces green house gas e	emissions are
	a) Kyoto protocol	b) Cartagena protocol
	c) Montreal protocol	d) Vienna protocol
73.	Population explosion will cause	65°
10.	a) Socio economical problems	b) Food scarcity
	c) Energy crisis	d) All of these
74.	Which of the following is not a green house	e gas
77.	a) Hydro chlorofluoro carbons	b) Methane
	c) CO ₂	d) SO ₂
75.	Primary cause of acid rain around the world	d is due to
75.	a) Carbon dioxide	b) Sulphur dioxide
	c) Carbon monoxide	d) Ozone
76	Carr.	
76.	Acid rain can be controlled by	b) Reducing oxygen emission
	 a) Reducing SO₂ and NO₂ emissions c) Increasing number of lakes 	d) Increasing the forest cover
	Car -	· · · · · · · · · · · · · · · · · · ·
77.	Atmospheric oxidation of SO ₂ to SO ₃ is inf	
	a) Sunlight	b) Humidity
	c) Presence of hydrocarbons	d) All of these
78.	Reduction in brightness of the famous Taj l	
	a) Global warming	b) Air pollution
	c) Ozone depletion	d) Afforestation
79.	The process of movement of nutrients from	the sail by the acid rain is called
	a) Transpiration	b) Evapo transpiration
	c) Leaching	d) Infiltration
80.	Major compound responsible for the destru	action of stratospheric ozone layer is
	a) Oxygen	b) CFC
	c) Carbon dioxide	d) Methane
81.	Ozone layer thickness is measured in	
	a) ppm	b) ppb
	c) Decibels	d) Dobson units
	The state of the s	

82.	Chloro Fluro Carbons (CFC) are a) Non toxic c) Non carcinogenic	b) Non flammable d) All of these
83.	Formation of ozone layer is explained by a) Resentment reaction c) Chapman's reaction	b) Henderson's reaction d) Perkins reaction
84.	Each chlorine free radical can destroy the a) 1000 c) 1,00,000	following number of ozone molecules b) 10,000 d) 100
85.	Which of the following is the purpose of a a) Conservation of animals c) Conservation of wildlife	animal husbandry? b) Production of meat d) Conservation of forests
86.	Domesticated animals are used for a) Dairy products c) Production of meat	b) Production of fiber d) All of these
87.	Ozone hole was first discovered over a) Arctic c) Tropical region	b) Antarctica d) Africa
88.	World ozone day is being celebrated on a) 5 th September c) 16 th September	b) 15 th October d) 11 th September
89.	Bhopal gas tragedy caused due to leakage a) Methyl Iso Cyanate (MIC) c) Mustard gas	of b) SO ₂ d) Methane
90.	Animal husbandry results in a) Global warming c) Ozone depletion	b) Acid rain d) None of these
91.	Environmental (protection) Act was enact a) 1986 c) 1984	ed in the year b) 1992 d) 1974
92.	The first of the major environmental prote a) The Wild life protection Act c) The Noise pollution Act	ection Act to be promulgated in India was b) The Air Act d) None of these
93.	The Karnataka State Pollution Control Bo a) 1974 c) 1986	ard (KSPCB) was established in the year b) 1982 d) 1976
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94.	Environmental protection is the responsa) Govt-of Indiac) Individual	b) NGO's d) All of these
95.	The leader of chipko movement is a) Sunderlal Bahuguna c) Vandana Shiva	b) Medha Patkar d) Suresh Heblikar
96.	Which of the following animals is endar a) Elephant c) Fox	ngered species of India? b) Black buck d) Giraffe
97.	Environmental protection is the funda Article a) 51-A(g) c) 47	amental duties of the citizen of India under the b) 48-A d) 21
98.	ISO 14000 standards deal with a) Pollution Management c) Environmental Management	b) Risk Management d) None of these
99.	An important NGO involved in Global a) UNICEF c) WHO	Environmental protection is b) Green peace d) CPCB
100.	The committee which submitted its repeal Tiwari Committee c) Banerjee Committee	ort to Govt. of India on Environmental education is b) Mehta Committee d) Agarwal Committee
	A. C. S. A.	
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