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Time: 2 hrs.]	Max. Marks: 100
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	Fifth Semester B.E Degree Examination, June/July 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.					
	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.					
# <u>2</u>						
1.	How many parts are there in the forest ecosystem?					
	a) One b) Two c) Three d) Four					
2.	On which factor forest type is mainly dependent					
	a) Abiotic c) Shape of Trees d) Production from the trees					
3.	The forest cover in India has recently increased due to					
3.	a) Increase in natural forest growth					
	b) Increase in net sown area					
	c) Plantation by different agencies d) None of the above					
4.	What is not entirely correct about desert?  a) It is dry and hot  b) Waterless					
	c) Without shelter d) All of these					
5.	Who have learnt to live under very hot and dry conditions					
	a) People b) Plants c) Animals d) All of these					
6.	The term wet land implies					
	a) Land covers by rain water only					
	b) Slow moving water covered wet ground c) Water logged wet ground					
	d) Fast moving water covered wet ground					
7.	World Wetland day celebrated every year on February					
	a) 2 <sup>nd</sup>					
	1010					

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8.	World's most saltiest se	ea is	A DAY	
	a) Mediterranean Sea	b) Dead Sea	c) Callibben Sea	d) Black Sea
9.	Atmosphere contains 7	9 nercent Nitrogen and	21 percent Ovygen	by
9.	a) Volume	b) Weight	c) Density	d) All of these
	a) Voidine	b) Weight	Cybensity	a) in or these
10.	In complex ecosystem	the degree of species d	iversity is	
	a) Poor	b) High	c) Medium	d) None
71	Tl			
11.	The organisms who dir  a) Herbivores			d) Sprophytos
	a) Helbivoles	b) Carnivores	c) Decomposers	d) Sprophytes
12.	Abiotic component inc	ludes		
	a) Soil	b) Water	c) Temperature	d) All of these
42	VVII : 1 C.1 C.11 :			
13.	Which of the following	THE STATE OF THE S	- \T	A) All a Calcass
	a) Pressure	b) Humidity	c) Temperature	d) All of these
14.	The basic requirements	of human beings are p	provided by	
257 355	a) Industrialization	b) Agriculture	c) Nature	d) Urbonization
15.	Which atmospheric sph			N. F
	a) Troposphere	b) Stratosphere	c) Mesosphere	d) Exosphere
16.	A food web consists of			
10.	a) A portion of a food of			
	b) An organism positio			
	c) Interlocking food ch	The state of the s		
	d) A set of similar cons	sumers		
17.	The pyramid of energy	ic		
17.	a) Always upright	15	b) Always inverted	
	c) Both uplight and inv	erted	d) None of these	
18.	Which is the most stab		V	
	a) Mountain	b) Desert	c) Forest	d) Ocean
19.	'Earth Day' is held eve	ry year on	<b>y</b>	
17.		b) November 23 <sup>rd</sup>	c) April 22 <sup>nd</sup>	d) Jan 10 <sup>th</sup>
20.	Which of the following			
	a) Carbon dioxide	b) Water	c) Nutrients	d) All of these
21.	The most commonly us	sed chemicals in the art	ificial cloud seeding	
21.	a) Silver iodide	b) Sodium chloride	c) Dry ice	d) All of these
	3, 21, 31, 104, 40	S and an onde		
22.	Bhopal disaster is a kin			
	a) Natural disaster	b) Manmade disaster	c) None of (a) & (b	) d) Other
23.	National disaster mana	gement is headed by		
23.	a) Prime minister	gement is neaded by	b) President of Indi	a
	c) Governor of states		d) Chief minister of	
			remark to the terms of the	

24.	Disaster management in a) Mitigation	b) Reconstruction	c) Rehabilitation	d) All of these
25.	Floods can be prevented  a) Attorestation  c) Tilling the land	d by	b) Cutting the fores d) Removing the to	
26.	Which of the following a) Crude oil	is not a type of primar b) Coal	y source c) Hydrogen energy	d) Sunlight
27.	a) Coal and Gasoline	resources are widely used by Wood	sed in industries? c) Biogas	d) Crop residue
28.	What does OTEC stand a) Ocean thermal energy b) Ocean thermal energy c) Ocean techno energy d) Ocean thermal energy	y cultivation y conversion conversation		
29.	What is the basic require a) Reservoir	ement for hydro electrons (b) Turbine	c) Power house	d) Penstock
30.	Photovoltaic cell conve a) Heat energy	rts solar energy into b) Electrical energy	c) Mechanical energ	gy d) Chemical energy
31.	Which of the following  a) Coal	is non-renewable reso b) Forests	urce? c) Water	d) Wildlife
32.	Both power and manure a) Nuclear plants	e is provided by : b) Thermal plants	c) Biogas plants	d) Hydroelectric plant
33.	At what range of speed a) $100 - 125$ Mph	is the electricity from b) 450 – 600 Mph	the wind turbine is g c) 200 – 250 Mph	
34.	What is used to turn win	nd energy into electric b) Generator	al energy c) Yaw motor	d) Blades
35.	What type of energy is a) Renewable	wind energy? b) Non-Renewable	c) Conventional	d) Commercial
36.	How is OTEC caused? a) By wind energy c) By solar energy		b) By geothermal e d) By gravitational	
37.	Series of parallel combi	ination of the solar cell b) Solar light	is known as c) Solar sight	d) Solar eye
38.	Materials used for making a) Silicon	ng solar cell is b) Carbon	c) Sodium	d) Magnesium
39.	Quarries are generally a) Open pits c) Underground mines		b) Surface coal min d) Explosive mines	

40.	When the minerals are a) Open pit method	located to deep in the g b) Quarries		sed for mining is d) Sub surface mining
41.	Major pollution causing  a) Man c) Hydrocarbon gases	g agent is	b) Animals d) None of these	
42.	The result of ozone hole a) Acid rain	e is b) UV radiations	c) Global warming	d) Green house effect
43.	Which of the following a) Air pollution	b) Water pollution		on d) Soil pollution
44.	Minamata disease cause  a) Mercury  c) Tin	ed by pollution of water	er by b) Lead d) Methyl ISD Cya	nate
45.	Noise is measured using a) Hertz	b) Decibel	unit is c) Joule	d) Sound
46.	Air pollution causes a) Global warming c) Soil erosion		b) Respiratory prob d) None of these	olems
47.	Intake of lead may prin a) Brain	narily cause damage of b) Liver	thec) Lung	d) Kidney
48.	According to WHO ma a) 100 mg/L	ximum permissible lev b) 600mg/L	vel of chlorides in dri c) 800mg/L	nking water is d) 200mg/L
49.	The main source of wat a) Sewage water c) Acid rain	er pollution is	b) Industrial polluta d) None of these	ants
50.	What is the health effect a) Fluoros's	ts of excess fluoride in b) Toothaches	n drinking water c) Lung disease	d) Brain problem
51.	Bacteria and micro organical Indigestion	anisms present in wate b) Intestinal tract	r will cause in c) Brain tumor	human and animals d) Cancer
52.	Why it is difficult to recall a) It is very hard b) It comes in different c) It is adhesive d) It contains different	sizes	S	
53.	The disposable wastes (a) Solids	contain b) Slurries	c) Liquids	d) All of these
54.	Identify the following of a) Plastic	ones which can be recy b) Wood	c) Aluminum	d) Organic materials
55.	Noise pollution limits a a) 80 dB	t residential area b) 45 dB	c) 90dB	d) 120dB

56.	Which of the following a) Glass	make e-waste hazardo b) Plastic	c) Lead	d) Iron
57.	What is the hazardous ja)Barium	pollutant released form b) Arsenic	LED's? c) Cobalt	d) Cadmium
58.	What is the hazardous a) Arsenic	b) Cadmium	batteries? c) Copper	d) Cobalt
59.	What proportion of hea a) 25%	lth care waste is hazar b) 15%	dous waste c) 50%	d) 80%
60.	What is the hazardous a) Barium	waste released from tel b) Copper	ephones c) Lithium	d) Lead
61.	Which of the following  a) Atmosphere		c) Ground water	d) Lakes and Rivers
62.	Hard water contains lar  a) Lead	ge amount of b) Sodium	c) Calcium	d) Silicon
63.	Water that is good enough Potable water	ugh to drink is called _ b) Ground water	c) Surface water	d) Artesian water
64.	The pH value of acid ra a) 5.7	ain water is b) 7.0	c) 8.5	d) 7.5
65.	The primary cause of a a) CFC	cid rain around the wo	rld is c) CO	d) O <sub>3</sub>
66.	Acid rain can be control a) Reducing SO <sub>2</sub> and N b) Reducing oxygen en c) Increasing number o d) Increasing the forest	IO <sub>2</sub> emissions nissions f lakes		
67	The effect of acid rain  a) Reduces soil fertility b) Increases atmospher c) Causing respiratory	ic temperature		
68	d) Skin cancer  Major compound response a) Oxygen	nsible for the destructions (a)	ion of stratospheric o	zone layer is d) Methane
69.	Ozone layer thickness i	s measured in b) PPB	c) Decibles	d) Dobson units
70.	Normal average thickn a) 5 PPM	ess of stratospheric ozo b) 300 DU		globe is around d) 500 DU
71.	Chloro Fluro Carbon's a) Non-toxic c) Non Carcinogenic	(CFC) are	b) Non – Flammab d) All of these	le

72.	Breathing radon over t			_()
	a) Lung cancer	b) Oral cancer	c) Skin cancer	d) All of these
73.	Radon gas is			
	a) Inert	b) Colorless	c) Odorless	d) All of these
74.	Ozone depletion cause	S		
	a) Snow blindness		b) Photochemical:	smog
	c) Acid rain		d) Vomiting	
75.	World ozone day is ob	served on		A
	a) November 16	b) October 16	c) Jan 16	d) September 16
76.	A great way to reduce	acid rain is	E.	
70.	a) Use of solar power	dela fairi is	4	
	b) Use of wind power			
	c) User of hydropower			
	d) All of these		A Y	
77.	Ozone layer was first o	liscovered over		
	a) Arctic		b) Antarctical	
	c) Tropical Region	- Y	d) Africa	
78.	Animal husbandry resu	ılte in		
70.	a) Global warming	arts in	b) Acid rain	
	c) Ozone depletion	A Y	d) None of these	
70				
79.	a) Rosenmund reaction	A Second Control of the Control of t		
	b) Henderson's reaction	12 (1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		
	c) Chapman's reaction			
	d) Perkin's reaction			
80.	The main cause of acid	I rain is	4	
ou.	a) Soil pollution	b) Water pollution	c) Air pollution	d) All of these
81.	Remote sensing techni	que makes use of prop		
	<ul><li>a) Electric waves</li><li>c) Electromagnetic war</li></ul>	Voc.	b) Sound waves d) Wind waves	
9	c) Electioniagnetic wa	VCS	u) Willu waves	
82.	The attitude distance o	f a geostationary satell	ite from earth is abo	ut
	a) 26,000 km	b) 30,000 km	c) 36000 km	d) 44000 km
83.	The changes in the refl	ectivity/emissivity wit	h time is called	
	a) Spectral variation		b) Spatial variation	1
	c) Temporal variation		d) None of these	
84.	Which one of the follo	wing helps to find ohie	ects on the earth surf	ace
04.	a) Atmospheric windo		b) Signature	acc
	c) Radiometric error		d) None of these	
02	Orbital radius of CDC	notallitae ie enpressiment	taly	
85.	Orbital radius of GPS s a) 15000km	b) 26600km	c) 18400km	d) 36100km

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86.	GIS stands for			
	a) Geographic Informa	-		
	b) Generic Information		N. V.	
	c) Geological Informat	*		
	d) Geographic Informa	ition Sharing		
87.	GIS deals with what ki	nd and data		
97.	a) Numeric data	b) Binary data	c) Spatial data	d) Complex data
	a) I valifier le data	o) Binary data	O) Spatial data	a) Complex data
88.	Among the following _	is example of ha	rdware	K. A.
	a) Arc GIS	b) Auto CAD	c) Digitization	d) Mouse
89.	Among the following v	which do not come und	er components of GI	IS?
	a) Hardware	b) Software	c) Compiler	d) Data
00	The relation between w	alaaitu yyaya lanath ar	ad fraguency is	
90.	The relation between v			
	a) $\lambda = cf$	b) $\lambda = c/f$	c) $\lambda = c^2 f$	d) $\lambda = cf^2$
91.	A short – term EIA (Er	vironmental Impact A	ssessment) has a tim	e period of
	a) 2 – 5 years	b) 10 – 15 years	7	d) 5 – 7 years
			-,	
92.	EIA commenced in the	year		
	a) 1960's	b) 1890's	c) 1880's	d) 1950's
		- Y		
93.	How many strategies a	re there in EIA		
	a) 5	b) 3	c) 2	d) 4
04	Which is the first Co	unters to make the Am	andmont in the Dorl	inment to sofowerd the
94.	environment?	unity to pass the Am	endment in the Pari	liament to safeguard the
		b) Descrit	a) China	J) Donmonto
	a) India	b) Brazil	c) China	d) Denmark
95.	ISO 14000 standards a	are for the		
	a) Quality Managemen			
	b) Environmental M	Constant	X.	

- - b) Environmental Management System
  - c) Administration
  - d) Supply Chain
- Who among the following is the most celebrated environmental activist in contemporary 96. India?
  - a) Anna Hazare
  - b) Medha Patkar
  - c) Vasundhara Raje
  - d) Arvind Kejrival
- What is the full form of NGO?
  - a) Non Governmental Organization
  - b) No Governance Organization
  - c) Non-Governance Organization
  - d) Null Governmental Organization

18CIV59 When did Green peace founded 98. c) 1968 a) 1965 b) 1967 When did Wild Protection Act included in the Constitution of India. 99. d) 1992 a) 1980 c) 1920 b) 1972 When did World Nature Organization (WNO) be established? b) 2001 c) 2010 a) 2000 d) 2014 Calvanta and Andreas and Andre