CBCS SCHEME

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USN					

Fifth Semester B.E Degree Examination, June/July 2023 **Environmental Studies**

	(COMMON TO ALL BRANCHES)	GAY
ime	:: 2 hrs.]	[Max. Marks: 100
	INSTRUCTIONS TO THE CANDIDA	TES
1.	Answer all the hundred questions, each question carries one mar	k.
2.	Use only Black ball point pen for writing / darkening the circles	s.
3.	For each question, after selecting your answer, darken the	e appropriate circle
	corresponding to the same question number on the OMR sheet.	
4.	Darkening two circles for the same question makes the answer in	ıvalid.
5.	Damaging/overwriting, using whiteners on the OMR sheets an	re strictly prohibited.
1.	How many parts are there in the forest ecosystem?	
1.		l) Four
	u) one	
2.	On which factor forest type is mainly dependent	,
	a) Abiotic b) Size of forest	
	c) Shape of Trees d) Production from the	ne trees
3.	The forest cover in India has recently increased due to	
	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?	
7.	a) It is dry and hot b) Waterless	
	c) Without shelter d) All of these	
	a) Without shelter	
5.	Who have learnt to live under very hot and dry conditions	
		l) All of these
		11111111111111
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	
	GAY .	
7.	World Wetland day celebrated every year on February	
	a) 2 nd b) 3 rd c) 4 th d	l) 15 th
	1 of 8	" TENTRY CHEEK"

	79792	5	White I was	
8.	World's most saltiest se) G 1911	1) D1 - 1, C
	a) Mediterranean Sea	b) Dead Sea	c) Callibben Sea	d) Black Sea
9.	Atmosphere contains 79	O percent Nitrogen and	21 percent Oxygen h	v
9.		b) Weight	c) Density	d) All of these
	a) Volume	b) Weight	* Delisity	a) Alk of these
10.	In complex ecosystem	the degree of species d	iversity is	Cony
	a) Poor	b) High	c) Medium	d) None
			4	
11.	The organisms who dire		s are called	
	a) Herbivores	b) Carnivores	c) Decomposers	d) Sprophytes
		Ludas S		
12.	Abiotic component incl	b) Water	c) Temperature	d) All of these
	a) Soil	b) water	c) remperature	u) An or mese
13.	Which of the following	is the climatic factor		
13.	a) Pressure	b) Humidity	c) Temperature	d) All of these
	a) Tressure	-)	mily	2
14.	The basic requirements	of human beings are p	rovided by	
	a) Industrialization	b) Agriculture	c) Nature	d) Urbonization
15.	Which atmospheric sph		rth surface?	1) E
	a) Troposphere	b) Stratosphere	c) Mesosphere	d) Exosphere
16	A food web consists of	. /		
16.	a) A portion of a food			
	b) An organism positio	n in a food chain	. V	Mar. 3
	c) Interlocking food ch		1>°	*
	d) A set of similar cons		No.	>
	()	\$ 9 V	G ₂	
17.	The pyramid of energy	is		
	 a) Always upright 		b) Always inverted	
	c) Both uplight and inv	rerted	d) None of these	
40	777 : 4 : 1	. A.Y		
18.	Which is the most stab	le ecosystem	c) Forest	d) Ocean
	a) Mountain	b) Desert	c) rorest	u) Ocean
19.	'Earth Day' is held eve	erv vear on	Y	
C	a) June 5 th	b) November 23 rd	c) April 22 nd	d) Jan 10 th
		4		
20.	Which of the following	g is absorbed by green		
	a) Carbon dioxide	b) Water	c) Nutrients	d) All of these
	· /			
21.	The most commonly u			
	a) Silver iodide	b) Sodium chloride	c) Dry ice	d) All of these
22.	Bhopal disaster is a kir	nd of		
ZZ.	a) Natural disaster	b) Manmade disaster	c) None of (a) & (b	d) Other
	a) Ivalulai disaster	o) Maninade disaster	c) 11011c 01 (a) & (0	, a, omor
23.	National disaster mana	gement is headed by		
4.	a) Prime minister		b) President of Indi	a
	c) Governor of states	•	d) Chief minister o	

24.	Disaster management i	ncludes		
	a) Mitigation	b) Reconstruction	c) Rehabilitation	d) All of these
25.	Floods can be prevente	ed by		
	a) Attorestation		b) Cutting the fores	t
	c) Tilling the land		d) Removing the to	
			0 0	
26.	Which of the following	T. T		Car
	a) Crude oil	b) Coal	c) Hydrogen energy	y d) Sunlight
27.	Which of these energy	resources are widely u	sed in industries?	
	a) Coal and Gasoline	b) Wood	c) Biogas	d) Crop residue
28.	What does OTEC stand	ds for?	40	
	a) Ocean thermal energ	gy cultivation	4	
	b) Ocean thermal energ	gy conversion	Aleman	
	c) Ocean techno energ	y conversation	(A)	
	d) Ocean thermal energ	gy consumption	, 4	
20	What is the back of the same			
29.	What is the basic requia) Reservoir	b) Turbine	c) Power house	d) Penstock
	a) Reservoir	o) ruiome	c) Fower nouse	u) renswek
30.	Photovoltaic cell conve	erts solar energy into		
	a) Heat energy	b) Electrical energy	c) Mechanical ener	gy d) Chemical energy
31.	Which of the following	g is non-renewable reso	ource?	
	a) Coal	b) Forests	c) Water	d) Wildlife
22	D-4	G		7
32.	Both power and manura) Nuclear plants	b) Thermal plants	A Biogge plants	d) Hydroelectric plan
	a) Nuclear plants	b) Thermal plants	c) Biogas plants	d) Hydroelectric plan
33.	At what range of speed	is the electricity from	the wind turbine is g	enerated
	a) 100 – 125 Mph	b) 450 – 600 Mph	c) 200 - 250 Mph	
~ .	****			
34.	What is used to turn w			1\ D1- 1
	a) Turbine	b) Generator	c) Yaw motor	d) Blades
35.	What type of energy is	wind energy?	< "	
	a) Renewable	b) Non-Renewable	c) Conventional	d) Commercial
	S	4		
36.	How is OTEC caused?	· /	150 4 1	
	a) By wind energy	Aparticular	b) By geothermal e	0.
	c) By solar energy	Gay Y	d) By gravitational	iorce .
37.	Series of parallel comb	ination of the solar cel	l is known as	
	a) Solar array	b) Solar light	c) Solar sight	d) Solar eye
20		C	1894	
38.	Materials used for mak		-) C - 1:	/\ M
	a) Silicon	b) Carbon	c) Sodium	d) Magnesium
39.	Quarries are generally			
0015.US	a) Open pits	Debt	b) Surface coal min	es
	c) Underground mines	•	d) Explosive mines	

40.	When the minerals are	e located to deep in the	e ground, the method i	used for mining is
	a) Open pit method	b) Quarries	c) Surface mining	d) Sub surface mining
41.	Major pollution causis	ng agent is		
	a) Man		b) Animals	
	c) Hydrocarbon gases		d) None of these	
42.	The result of ozone ho		V	1
	a) Acid rain	b) UV radiations	c) Global warming	d) Green house effect
43.	Which of the followin	g causes out break of	iaundice 4	A.
43.	a) Air pollution	b) Water pollution	c) Thermal pollution	on d) Soil pollution
	a) in ponduon	o) (raioi pominion	7,	, , , , , , , , , , , , , , , , , , , ,
44.	Minamata disease cau	sed by pollution of wa	iter by	
	a) Mercury	All de la	b) Lead	
	c) Tin		d) Methyl ISD Cya	anate
			9	
45.		ng sound meter and th		d) Sound
	a) Hertz	b) Decibel	c) Joule	a) Sound
46.	Air pollution causes	G	NY STATE OF THE ST	e.
10.	a) Global warming	*	b) Respiratory pro	blems
	c) Soil erosion	1	d) None of these	
	A 1	Appendit		
47.	Intake of lead may pri	imarily cause damage		
	a) Brain	b) Liver	c) Lung	d) Kidney
40	A	naximum permissible l	aval afablaridas in d	rinking water is
48.	a) 100 mg/L	b) 600mg/L	c) 800mg/L	d) 200mg/L
	a) 100 mg/L	o) ooonig/L	C) Gooling/L	a) 200mg/L
49.	The main source of w	ater pollution is	9	
	a) Sewage water		b) Industrial pollu	tants
	c) Acid rain		d) None of these	
2012				
50.	Comments.	ects of excess fluoride		d) Duning graph laws
	a) Fluoros's	b) Toothaches	c) Lung disease	d) Brain problem
51.	Bacteria and micro or	ganisms present in wa	ter will cause i	n human and animals
31.	a)Indigestion	b) Intestinal tract		d) Cancer
1	diame.	\ * * · · · · · · · · · · · · · · · · ·	9	
52.	Why it is difficult to a	recycle plastics?		
	a) It is very hard			
	b) It comes in differen	nt sizes		
	c) It is adhesive	. 7		
	d) It contains differen	t types of polymer res	ins	
53.	The disposable waste	s contain		
33.	a) Solids	b) Slurries	c) Liquids	d) All of these
	a) bolids	#	c) Elquius	u) ini ci mese
54.	Identify the following	g ones which can be re	cycled many times	
	a) Plastic	b) Wood	c) Aluminum	d) Organic materials
55.	Noise pollution limits		• 1 004D	J\ 100JD
	a) 80 dB	b) 45 dB	c) 90dB	d) 120dB

56.	Which of the following			
	a) Glass	b) Plastic	c) Lead	d) Iron
57.	What is the hazardous p	ollutant released form	LED's?	
	a)Barium	b) Arsenic	c) Cobalt	d) Cadmium
58.	What is the hazardous	ollutant released form	batteries?	
50.	a) Arsenic	b) Cadmium	c) Copper	d) Cobalt
			•	Gay
59.	What proportion of hea a) 25%	Ith care waste is hazar b) 15%	dous waste c) 50%	d) 80%
	a) 2570	0)1370	0) 3070	u) 6076
60.	What is the hazardous v			
	a) Barium	b) Copper	c) Lithium	d) Lead
61.	Which of the following	contains most water	A CONTRACTOR OF THE PARTY OF TH	
	a) Atmosphere	b) Biosphere	c) Ground water	d) Lakes and Rivers
(2	TT 1		, J	
62.	Hard water contains lar a) Lead	b) Sodium	c) Calcium	d) Silicon
	a) Lead	o) Sodium	y Calcium	d) Sincon
63.	Water that is good enou	-		
	a) Potable water	b) Ground water	c) Surface water	d) Artesian water
64.	The pH value of acid ra	in water is		
	a) 5.7	b) 7.0	c) 8.5	d) 7.5
<i>(</i> =	The maintains of a		114	
65.	The primary cause of aca) CFC	b) SO ₂	c) CO	d) O ₃
	u) 01 0	0)002	120	<i>a</i>) 03
66.	Acid rain can be contro	•		
	a) Reducing SO₂ and Nb) Reducing oxygen em		69 ⁷	
	c) Increasing number of			
	d) Increasing the forest		A CHILDREN	
	Agentación	60	Go)	
67	The effect of acid rain a) Reduces soil fertility	QV .		
	b) Increases atmospheri	arrend reserve		
A	c) Causing respiratory p		Y	
	d) Skin cancer			
68	Major compound respon	nsible for the destructi	on of stratospheric oz	one laver is
00	a) Oxygen	b) CFC	c) CO ₂	d) Methane
- ~	V			
69.	Ozone layer thickness is		a) Daoibles	d) Dahaan unita
	a) PPM	b) PPB	c) Decibles	d) Dobson units
70.	Normal average thickne	사용 (c)		
	a) 5 PPM	b) 300 DU	c) 400 DU	d) 500 DU
71.	Chloro Fluro Carbon's	(CFC) are		
6.40E	a) Non-toxic	()	b) Non – Flammable	9
	c) Non Carcinogenic		d) All of these	

72.	Breathing radon over tin	me causes		
151	a) Lung cancer	b) Oral cancer	c) Skin cancer	d) All of these
	w) —			1990.
73.	Radon gas is			
	a) Inert	b) Colorless	c) Odorless	d) All of these
	en e			
74.	Ozone depletion causes		() () () () () () () () () () () () () (ALL DESCRIPTION OF THE PARTY OF
	a) Snow blindness		b) Photochemical s	mog
	c) Acid rain		d) Vomiting	
		. 0	A.	#
<i>7</i> 5.	World ozone day is obs		-) I 16	d) September 16
	a) November 16	b) October 16	c) Jan 16	d) September 10
=(A 4 40 moduoo o	aid will is		
76.	A great way to reduce a	icia fam is		
	a) Use of solar power	A	A CHARLES	
	b) Use of wind power		Contract	
	c) User of hydropower			
	d) All of these		L #	
	0 1 Eint d	issaviared over		30
77.	Ozone layer was first d	iscovered over	b) Antarctical	
	a) Arctic	**/	d) Africa	
	c) Tropical Region	4	u) Anica	
78.	Animal husbandry resu	Ite in	C	
70.	a) Global warming		b) Acid rain	
	A		d) None of these	
	c) Ozone depletion	4	d) None of these	
79.	Formation of ozone lay	er is explained by		45'
12.	a) Rosenmund reaction			P
	b) Henderson's reaction			
	c) Chapman's reaction			
	d) Perkin's reaction			
	7		4	
80.	The main cause of acid	rain is	Apanente	
	a) Soil pollution	b) Water pollution	c) Air pollution	d) All of these
	CN	etthe 2		
81.	Remote sensing technic	que makes use of prop		
	a) Electric waves		b) Sound waves	
	c) Electromagnetic way	ves	d) Wind waves	
G	7	c	/ Lies Curus rauth in alem	+
82.	The attitude distance o			
	a) 26,000 km	b) 30,000 km	c) 36000 km	d) 44000 km
02	The changes in the refl	ectivity/emissivity wi	th time is called	
83.		ectivity/clinssivity wi	b) Spatial variation	2
	a) Spectral variation		d) None of these	1
	c) Temporal variation		d) None of these	2
84.	Which one of the follo	wing helps to find ohi	ects on the earth surf	ace
04.	a) Atmospheric windo		b) Signature	
	c) Radiometric error	**	d) None of these	
	c) Kaulomeule enois		d) I tolle of these	
85.	Orbital radius of GPS	satellites is approxima	telv	761
55.	a) 15000km	b) 26600km	c) 18400km	d) 36100km

				19(1)39
86.	GIS stands for			Y
	a) Geographic Informa	ation System		
	b) Generic Information			
	c) Geological Informa	70.00		
	d) Geographic Informa	ation Sharing		
87.	GIS deals with what k			
	a) Numeric data	b) Binary data	c) Spatial data	d) Complex data
00	Among the fellowing	is arounds of h	a malayya ma	2
88.	Among the following		4	/
	a) Arc GIS	b) Auto CAD	c) Digitization	d) Mouse
89.	Among the following	which do not come un	der components of C	JIS?
	a) Hardware	b) Software	c) Compiler	d) Data
	(2)	₹ *****		
90.	The relation between	velocity, wave length a	and frequency is	
	a) $\lambda = cf$	b) $\lambda = c/f$	c) $\lambda = c^2 f$	d) $\lambda = cf^2$
		1	1°	
91.	A short - term EIA (E	nvironmental Impact ?	Assessment) has a time	me period of
	a) 2 – 5 years	The second secon	c) 5 – 10 years	d) 5 – 7 years
	u) 2 3 years	0) 10 15 years	c) 5 To years	d) 5 / years
92.	EIA commenced in the	e year		
	a) 1960's	b) 1890's	c) 1880's	d) 1950's
	a) 1900 s	0) 1090 8	C) 1000 S	a) 1930 8
93.	How many strategies a	are there in EIA		
Totale.	a) 5	b)3	32	4)4) Y
	a) 5	93	G) 2	d) 4
94.	Which is the first Co	ountry to pass the An	nendment in the Pa	rliament to safeguard the
	environment?	4 6 4	Cal	y
	a) India	b) Brazil	c) China	d) Denmark
	w	o) Brazii	C) China	a) Bellmark
95.	ISO 14000 standards	are for the		
	a) Quality Managemen		(P)	
	b) Environmental Man			
	c) Administration		<u> </u>	
	d) Supply Chain	, V	7	
- C	7	1 40	7	
96.		wing is the most celeb	orated environmenta	l activist in contemporary
	India?			
	a) Anna Hazare	Gny		
	b) Medha Patkar	Aller Man		
	c) Vasundhara Raje	A		
	d) Arvind Kejrival	Aguana		
0.5	XXII - 4 - C-11 C	CNTCO2		
97.	What is the full form of	7		
	a) Non – Governmenta			
	b) No Governance Org			
	c) Non-Governance Or			
	d) Null Governmental	Organization '		

- 98. When did Green peace founded
 a) 1965
 b) 1967
 c) 1968
 d) 1971
 99. When did Wild Protection Act included in the Constitution of India.
 a) 1980
 b) 1972
 c) 1920
 d) 1992
 100 When did World Nature Organization (WNO) be established?
 - When did World Nature Organization (WNO) be established?

 a) 2000 b) 2001 c) 2010 d) 2014

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