							Code No.	T – 2123
En	trance Exan				on to th nents, 2		. Course	s in the
				CSS				
		ENV	IRONN	IENTA		NCE		
			<u>Gener</u>	al Instru	<u>ctions</u>	<u>I</u>		
1. The	Question Pape	r is havin	ig 100 O	bjective	Questior	ns, eacl	n carrying c	ne mark.
2. The	answers are to	be (✔) 't	ick mark	ed' only	in the " f	Respon	ise Sheet"	provided.
3. <u>Neg</u> a	ative marking	: 0.25 m a	arks will	be dedu	cted for	each w	rong answe	er.
Time : 2 H	lours						Ма	x. Marks : 100
To be fille	ed in by the Ca	ndidate						
Register	in Figures							
Number	in words							
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Choose appropriate answer from the options in the questions.

(100 × 1 = 100 marks)

- 1. The word 'biodiversity' was coined by
 - A. W.G Rosen B. E.P Odum
 - C. E.O Wilson D. E Haeckel

DONOTWRITEHERE

2.	Spac	ce Application Centre is located a	t		
	Α.	Nagpur	В.	Bangalore	
	C.	Thiruvananthapuram	D.	Ahmedabad	
3.	pH v	alue of normal rain water is			
	Α.	4.5	В.	5.5	
	C.	7	D.	7.5	
4.	Worl	d Water Day is observe on			
	Α.	Feb 22	В.	April 22	
	C.	Dec 22	D.	March 22	
			2		T – 2123

5. Asbestosis is a type of ———— disease caused by exposure to asbestos. Α. Skin Β. Eye C. Heart D. Lungs 6. Which one of the following is a non green house gas? Α. Methane Nitrous Oxide Β. C. Sulphur Hexafluoride D. Carbon Monoxide 7. The final stable community in ecological succession is Dominant Sere Α. Β. C. Pioneer Climax D. 8. Bishnoi tribes are seen in Α. Rajasthan Β. Madhya Pradesh C. D. **Himachal Pradesh** Gujarat 9. Kyoto protocol is an international treaty Α. To reduce green house gas emissions Β. To reduce plastic pollution C. To promote afforestation D. To promote solar energy 10. What is the correct order of the 3R principle? Α. Recycle, Reuse, Reduce Β. Reuse, Reduce, Recycle D. C. Reduce, Reuse, Recycle None of the above 11. Which state has the highest forest cover in India? Α. Madhya Pradesh Β. **Arunachal Pradesh** C. Orissa Maharashtra D.

12.	The	lower part of thermosphere is calle	ed	
	Α.	Troposphere	В.	Ionosphere
	C.	Stratosphere	D.	All the above
13.	The	instrument used to measure plant	grow	/th
	Α.	Hygrometer	В.	Photometer
	C.	Auxanometer	D.	Multimeter
14.	Nar	ne the most frequent as well as na	turally	y happening disaster.
	Α.	Earthquake	В.	Flood
	C.	Tsunami	D.	None of the above
15.		——— is any group of species loit different resources in related w		exploit the same resources, or that
	Α.	Guild	В.	Niche
	C.	Races	D.	Population
16.	Whi	ich of these is not a lake of Kerala?	>	
	Α.	Sasthamkotta	В.	Vembanadu
	C.	Ashtamudi	D.	Pulicat
17.	Lim	nology is the study of		
	Α.	Oceans	В.	Minerals
	C.	Inland Waters	D.	Micro Organisms in Soils
18.	Whi	ich conference held at Glasgow		
	Α.	COP 25	В.	COP 26
	C.	COP 24	D.	COP 23
19.	An	example of symbiotic nitrogen fixing	g cya	nobacteria
	Α.	Nostoc	В.	Rhizobium
	C.	Azotobacter	D.	Nitrobacter

- 20. Plants which grow in area where intensity of light is more are called
 - A. Heliophytes B. Sciophytes
 - C. Oxylophytes D. Epiphyte
- 21. What is deep ecology?
 - A. Protecting nature for its own sake B. Ecology of deep sea
 - C. Ecology of forest D. None of these
- 22. What is the reason behind the blue color of the sky?
 - A. The water vapor is present
 - B. The sunlight gets scattered due to the air molecules
 - C. The blue light gets absorbed by the air
 - D. The blue light is emitted through the atmosphere
- 23. The convention for the conservation of wetlands held at Iran is known as
 - A. Vienna B. Stockholm
 - C. Ramsar D. Biodiversity
- 24. The Appiko movement, which began as a crusade to protect the trees originated in
 - A. Uttarakhand B. Karnataka
 - C. Maharashtra D. Gujarat
- 25. With which of the following, the Agenda 21' of Rio Summit, 1992 is related to?
 - A. Sustainable development
 - B. Combating the consequences of population explosion
 - C. Mitigation norms of Green House Gases (GHGs) emission
 - D. Technology transfer mechanism to developing countries for 'clean-energy' production

26.	Sac	red groves are examples of		
	Α.	In-situ conservation	В.	In-vivo conservation
	C.	Ex-situ conservation	D.	Ex-vivo conservation
27.	The	first green bench was constituted	in Inc	dia in high court of
	Α.	Calcutta	Β.	Chennai
	C.	Mumbai	D.	Ernakulam
28.	The	first National Park of India		
	Α.	Gir	В.	Kaziranga
	C.	Corbett	D.	Ranthampore
29.	Nar	ne the gas that is vital in maintainir	ng atr	nospheric temperature.
	Α.	Oxygen	В.	Carbon Dioxide
	C.	Nitrogen	D.	None of the above
30.	Nar	ne the disease caused by Cadmiur	n poi	isoning
	Α.	Ouch-ouch disease	В.	Plumbism
	C.	Itai-itai disease	D.	Minamata disease
31.	Whi	ich among the following is the Worl	d's la	argest Wetland System?
	Α.	Camargue (France)	В.	Okavango (Botswana)
	C.	Everglades (USA)	D.	Pantanal (South America)
32.	The	• 'thickness' of Stratospheric Ozone	e laye	er is measured in/on:
	Α.	Sieverts	В.	Dobson unit
	C.	Melson units	D.	Beaufort Scale
33.	Whi	ich among the following is an 'invas	sive a	alien species':
	Α.	Opuntia	В.	Aegilops
	C.	Eichhornia	D.	Loranthus

34. The highest per capita emitter of Carbon dioxide in the world is:

- A. USA B. China
- C. Qatar D. Saudi Arabia
- 35. The Water Act was enacted in the year
 - A. 1971 B. 1972
 - C. 1974 D. 1976
- 36. The headquarters of IRRI
 - A. Newyork, USA B. Paris, France
 - C. Vienna, Austria D. Los Banos, Philippines
- 37. The use of microorganism metabolism to remove pollutants such as oil spills in the water bodies is known as:

Α.	Biomagnification	В.	Bioremediation
C.	Biomethanation	D.	Bioreduction

38. In which of the following forests of India, world's first tiger census was carried out in 1932?

Α.	Kaziranga Forests	В.	Sariska Forests
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- C. Rantham D. Palamu Forests
- 39. The Washington Convention whose formal name is abbreviated as CITES is related to which among the following?
 - A. Pesticides B. Ozone Depletion
 - C. Endangered Species D. Human
- 40. Earth Hour is organized by
 - A. UNESCO

- B. Earth Hour Foundation
- C. World Wildlife Fund
- D. UNEP

- 41. Which of the following is the most abundant Green House Gas (GHG) in the earth's atmosphere?
 - A. Nitrogen Dioxide B. Carbon Dioxide
 - C. Water Vapour D. Sulphur dioxide
- 42. Which among the following protocols is also related to the Access and Benefit Sharing (ABS) mechanism?
 - A. Kyoto protocol B. Nagoya Protocol
 - C. Geneva Protocol D. Cartagena Protocol
- 43. Acid rain is capable of damaging the buildings and historic monuments which are made up of rocks such as limestone and marble. Which among the following is the end product of such reaction?
 - A. Quick Lime B. Calcium Carbonate
 - C. Calcium Hydroxide D. Gypsum
- 44. Which among the following chronic lung disease commonly known as 'black lung' disease, leads to reduced life expectancy in coal-miners?
 - A. Pneumoconiosis
 - B. Progressive Massive Fibrosis
 - C. Mesothelioma
 - D. Collier's Asthma
- 45. Which one of the following is a useful biological indicator of Sulphur-dioxide pollution?
 - A. Bryophytes B. Lichens
 - C. Pseudomonas D. Algal blooms
- 46. Which among the following will emit maximum mass of carbon dioxide, when the same quantity is burnt of all of them?
 - A. Gasoline B. Natural Gas
 - C. Kerosene D. Propane

- 47. How many Biogeographic zones are present in India?
 - A. 4 B. 8 C. 10 D. 15
- 48. What is the number of Green House Gases, as recognized by the Kyoto Protocol?
 - A. 3 B. 4
 - C. 5 D. 6
- 49. Which among the following is the first widely used herbicide?
 - A. 2,4-DB. TCDDC. LimoneneD. Vinegar
- 50. In context with the Environment, the price charged to deliver municipal solid waste to a landfill, waste-to-energy facility, or recycling facility is known as
 - A. Recycling FeeB. Dumping DutyC. Tipping FeeD. Material Fee
- 51. Chi-square is used to analyse:
 - A. ScoresB. RanksC. FrequenciesD. Any of these
- 52. IUCN is also called as
 - A. Worldwide conservation consortium
 - B. Worldwide conservation union
 - C. World conservation union
 - D. World conservation consortium
- 53. The slow rate of decomposition of fallen logs in nature is due to their:
 - A. Poor nitrogen content B. Low moisture content
 - C. Low cellulose content D. Anaerobic environment around them

54. Ethanol is commercially produced through a particular species of Aspergillus A. Saceharomyces Β. C. Clostridium D. Trichoderma 55. When the two ecosystems overlap each other, the area is called Habitat Niche Α. Β. C. Ecotone D. Ecotype 56. Concept of ecological pyramids was proposed by Α. Odum B. Clements C. Tansley D. Charles Elton 57. Identify the algae known for a biological activity called bioluminescence. Α. Noctiluca Spirogyra Β. C. Cyclotella D. Chlorella 58. Which one of the following plant is monoecious?

- A. Pinus B. Marchantia
- C. Papaya D. Cycas
- 59. "Complete competitors cannot coexist" is true for
 - A. Primary succession B. Secondary succession
 - C. Competitive exclusion D. Character displacement
- 60. In an aquatic ecosystem, the trophic level equivalent to cows in grasslands is
 - A. Nekton B. Zooplankton
 - C. Phytoplankton D. Benthos

61. Lichens of	an be use	ed as:
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- A. Source of wood
- B. Initial vegetation for waste lands
- C. To check the air pollution
- D. Bio-indicator for water and air pollution

62. Identify the correctly matched pair

- A. Basal Convention Biodiversity Conservation
- B. Montreal Protocol Global warming
- C. Kyoto protocol Climatic change
- D. Ramsar Convention Ground water pollution
- 63. When did Hazardous waste management act enacted in India?

Α.	1988	В.	1989
C.	1990	D.	1991

- 64. Lime is added to the soil which is too
 - A. Sandy B. Salty
 - C. Alkaline D. Acidic
- 65. The least porous soil among the following is
 - A. Loamy soil B. Silty soil
 - C. Clay soil D. Peaty soil
- 66. The percentage of forest cover recommended by the National Forest policy (1988) is
 - A. 33% for plains and 67% for hills
 - B. 37% for plains and 63% for hills
 - C. 20% for plains and 70% for hills
 - D. 23% for plains and 77% for hills

67.	Dar	win's finches are a good example o	of	
	Α.	Convergent evolution	В.	Industrial melanism
	C.	Connecting link	D.	Adaptive radiation
68.	Whi	ch one of the following is first step	of El/	۹?
	Α.	Scoping	В.	Screening
	C.	Survey	D.	Data collection
69.	Whi	ch one of the following is not a gas	eous	biogeochemical cycle in ecosystem?
	Α.	Nitrogen cycle	В.	Carbon cycle
	C.	Oxygen cycle	D.	Phosphorus cycle
70.	A na	aturally occurring substance that ha	as a c	lefinite chemical composition is a
	Α.	Mineral	В.	Compound
	C.	Metal	D.	Rock
71.	BO	D is a measure of		
	Α.	Industrial wastes passed into wate	er bo	dies
	В.	Amount of carbon monoxide com	bined	with haemogloblin
	C.	Extent of pollution with organic ma	atter	
	D.	Amount of oxygen required by pla	ints d	uring night
72.	Sup	erbugs are		
	Α.	Mycoplasma	В.	Bacteria
	C.	Virus	D.	Prions
73.	Blue	e Whale is placed under		
	A.	Endangered	В.	Vulnerable
	C.	Rare	D.	Extinct

- 74. The district of Kerala which does not have forest
 - A. Kasargode B. Ernakulam
 - C. Malappuram D. Alappuzha

75. Which of the following is oldest and the most common method used to dump solid wastes?

- A. River B. Ocean
- C. Landfill D. None of the above
- 76. The chemical used for artificial rain
 - A. Silver nitrate B. Silver iodide
 - C. Potassium nitrate D. Potassium iodide
- 77. Algal bloom results in
 - A. Siltation B. Salination
 - C. Sedimentation D. Eutrophication
- 78. Indira Gandhi had stated in the ———— Conference in 1972 that poverty is the greatest polluter.
 - A. ParisB. SAARCC. StockholmD. Vienna

79. Cloud burst means

- A. Abnormally heavy downpour of rain, associated with a thunderstorm
- B. Formation of artificial rain
- C. Presence of scattered flakes of cloud in the sky
- D. Sowing of seeds of a crop in a cloudy weather

80. In 1991, Honourable Supreme Court of India issued a directive to

- A. Ban endosulphan
- B. Prevent noise pollution
- C. Prevent atmospheric pollution
- D. Make all curricula environment oriented
- 81. Ramsar Convention 1971 for the conservation of wetlands was held at
 - A. Italy B. Iraq
 - C. Iran D. India
- 82. Apiko movement was in
 - A. Rajasthan B. Maharashtra
 - C. Andhra Pradesh D. Karnataka
- 83. Mimicry is
 - A. An evolved resemblance between an organism and an object
 - B. An adaptation made for finding mates
 - C. An adaptation for surviving temperature fluctuations
 - D. None of the above
- 84. What is the hazardous pollutant released from circuit board?
 - A. Cadmium B. Lead
 - C. Arsenic D. Mercury
- 85. Flag ship species of Choolannur sanctuary
 - A. Tiger B. Peacock
 - C. Elephant D. Rhino

86.	Nitr	ogen fixing blue green algae		
	Α.	Clostridium	В.	Rhizobium
	C.	Nostoc	D.	Nitrosomonas
87	Firs	t Biosphere reserve of India		
07.	A.	Agasthyamalai	B.	Great Nicobar
	с.		D.	_
	U.	Sunderbans	D.	Nilgiri
88.	The	e Wildlife (Protection) Act was pass	ed in	the year
	Α.	1983	В.	1987
	C.	1972	D.	1984
89.	Duc	dhwa National Park is situated in		
	Α.	Madhya Pradesh	B.	Bihar
	C.	-	D.	Uttaranchal
	0.		υ.	Charanona
90.	Wh	en did India join as a party of CITE	S?	
	Α.	1976	Β.	1972
	C.	1974	D.	1978
91.	Peo	lology is the study of		
	A.	Water	B.	Air
	C.	Soil	D.	None
92.	Pla	nts which grow in shade are called		
	Α.	Sciophytes	Β.	Heliophytes
	C.	Oxylophytes	D.	Epiphytes
93.	Тос	la is tribe of		
	A.	Karnataka	В.	Kerala
		Tamil Nadu	D.	Andhra Pradesh
	Э.		<u> </u>	

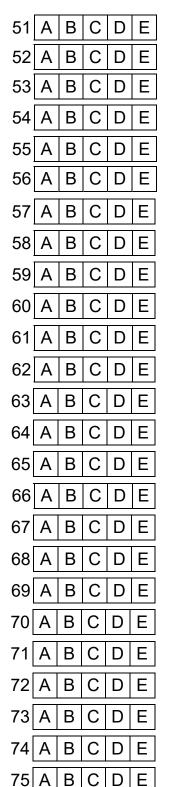
94. Which among the following has been recently classified as a potent carcinogen?

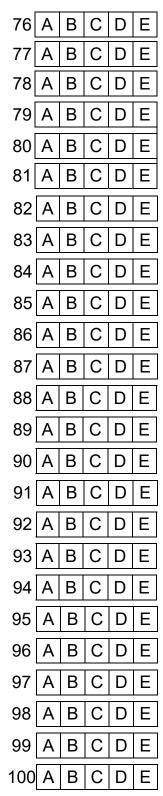
Α. Lead Β. Arsenic C. Cadmium Mercury D. 95. Isohyets are the imaginary lines joining the points of equal Α. Pressure Β. Rainfall C. Humidity D. Height 96. The instrument used for measuring evaporation is Α. Atmometer Β. Hygrometer C. Anemometer Lysimeter D. 97. The Rainfall intensity of light rain is: Α. 3mm/Hr B. 2.5mm/Hr 5mm/Hr 7.5mm/Hr C. D. 98. The World Wetland day is Α. June-11 Β. August-6 C. February-2 D. July -1 99. The World oceans day is September-28 Α. June-8 Β. C. September-16 December 1 D. 100. The term Green revolution was coined by Α. William Gaud B. M.S.Swaminathan C. Henry Wallace Norman Borlaugh D.

ANSWER SHEET

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1	Α	В	С	D	Е
2	Α	В	С	D	Е
3	Α	В	С	D	Е
4	Α	В	С	D	Е
5	Α	В	С	D	Е
6	А	В	С	D	Е
7	А	В	С	D	Е
8	Α	В	С	D	Е
9	А	В	С	D	Е
10	А	В	С	D	Е
11	Α	В	С	D	Е
12	Α	В	С	D	Е
13	А	В	С	D	Е
14	А	В	С	D	Е
15	А	В	С	D	Е
16	А	В	С	D	Е
17	А	В	С	D	Е
18	А	В	С	D	Е
19	А	В	С	D	Е
20	А	В	С	D	Е
21	Α	В	С	D	Е
22	Α	В	С	D	Е
23	Α	В	С	D	Е
24	Α	В	С	D	Е
25	А	В	С	D	Е

26	А	В	С	D	Е
27	А	В	С	D	Е
28	А	В	С	D	Е
29	А	В	С	D	Е
30	Α	В	С	D	Е
31	А	В	С	D	Е
32	Α	В	С	D	Е
33	Α	В	С	D	Е
34	А	В	С	D	Е
35	Α	В	С	D	Е
36	А	В	С	D	Е
37	А	В	С	D	Е
38	Α	В	С	D	Е
39	Α	В	С	D	Е
40	Α	В	С	D	Е
41	А	В	С	D	Е
42	Α	В	С	D	Е
43	Α	В	С	D	Е
44	Α	В	С	D	Е
45	А	В	С	D	Е
46	Α	В	С	D	Е
47	Α	В	С	D	Е
48	Α	В	С	D	Е
49	А	В	С	D	Е
50	Α	В	С	D	Е





ROUGH WORK

ROUGH WORK

ROUGH WORK