c) Tropical Montana forests

Question Paper Version: A

Fifth Semester B.E./B.Tech. Degree Examination, Dec.2024/Jan.2025 **Environmental Studies and E - Waste Management**

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ime:	[Max. Marks: 50						
	INSTRUCTIONS TO THE CANDIDATES						
1.	Answer all the fifty 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 same question number on the OMR sheet.						
4.	Darkening two circles for the same question makes the answer invalid.						
	Damaging/overwriting, using whiteners on the OMR sheets are strictly						
	prohibited.						
1.	Which of the following conceptual spheres of the environment is having the least storage capacity for matter? a) Atmosphere b) Lithosphere c) Hydrosphere d) Biosphere						
2.	The ratio between energy flows at different points in a food chain is known as a) Ecological capacity b) Ecological efficiency c) Ecological assimilation d) Ecological potential						
3.	A predator is a) An animal that is fed upon another animal b) Animal that feeds upon both plants and animals c) An animal that feeds upon another animal d) A primary consumer						
4.	 Why Rann of Kutch attracts aquatic birds in monsoon season? a) Because desert land is converted to forest land b) Because desert land is converted to snow c) Because desert land do not convert d) Because desert land is converted to salt marshes 						
5.	Which kind of soil we can find on the surface of Thar desert? a) Rocky b) Moist c) Fertile d) Aeolian						
6.	Which of the following type of forest important for watersheds? a) Tropical Evergreen forests b) Tropical Deciduous forests						

d) Grassland forest

7.	Hot spots areas have					
/ •	a) Low density of biodiversity	b)	Only endangered	nlan	te	
	c) High density of hot springs	d)		•		
	o) Thigh density of not springs	u)	riigh density or o	iourv	Cisity	
8.	Sustainable Development means					
	a) meeting present needs without compromising on future needs					
	b) progress of human beings					
	c) balance between human needs and the al	oility	y of earth to provide	the	resources	
	d) all of these	-				
9.	The term Alpha diversity refers to					
	a) Genetic diversity		Community and ec	osys	tem diversity	
	c) Species diversity within a community or	eco	system			
	d) Diversity among the plant					
10	Algas green plants and photographetic bas	tario				
10.	Algae, green plants and photosynthetic bac			4)	Congumera	
	a) Autotrophic b) Heterotrophic	C)	Decomposers	d)	Consumers	
11.	Veld type grasslands are located at					
	a) South Africa b) South America	c)	Australia	d)	Britain	
		,				
12.	Which pyramid is always upright?					
	a) Energy b) Biomass	c)	Numbers	d)	Food chain	
12	Lumbert Commission Income is a district Commission of the Commissi	41.	- ()			
13.	In what form is solar energy is radiated from a) Ultraviolet Radiation					
	c) Electromagnetic waves		Infrared Radiation Transverse waves			
	c) Electromagnetic waves	u)	Transverse waves			
14.	What does MHD stands for in the energy fie	eld?				
	a) Magneto Hydro Dynamic b) Metal Hydrogen Detox				ζ	
	c) Micro Hybrid Drive) Metering Head Differential			
15.	The 'Miracle Material' that can turn CO ₂ in			-		
	a) Propane b) Copper	c)	Graphene	d)	Potassium	
16	A tide whose difference between high and l	OTT 1	tida is grantast			
16.	a) Diurnal tide b) Neap tide		Spring tide	d)	Ebb tide	
	a) Diurnai tide b) Neap tide	C)	Spring tide	u)	1500 tide	
17.	Which of the turbine can be mounted vertic	ally	and horizontally.			
	a) Pelton wheel b) Kaplan turbine		Gorlov turbine	d)	Francis turbine	
18.	Which type of fuel is removed from the	read	ctor core after reac	ching	g end of core life	
	service?		yen A TX	45	D 11 0 1	
	a) Burnt fuel b) Spent fuel	c)	Engine oil	d)	Radioactive fuel	
19.	What is a fuel cell?					
17.	a) Converts heat energy to chemical energ	V				
	b) Converts heat energy to electrical energy					
	c) Converts chemical energy to electrical energy					
	d) Converts kinetic energy to heat energy					

20.	Which one of the following is the ape pollution control? a) Water Pollution Control Board c) Central Pollution Control Board	b)	State Pollution Con Air Pollution Cont	ntrol Board
21.	is caused by drinking water high in			
	a) Cholera		Kidney problem	. 4
	c) Liver problem	d)	Methomoglobinem	1a
22.	Bhopal gas tragedy took place in the year		and the oas resnonsi	hle was
22.	a) 1964, Hydrogen fluoride		1974, Methyl chlor	
	c) 1984, methyl ISO – cyanide		1994, Methyl sulpl	
	e, 150 i, meniji 180 eyamae	4)	iss i, including built	×.
23.	The major chemical pollutants in photoch	emica	l smog are	
	a) NO, NO ₂ , VOC, O ₃ , PAN	b)	N ₂ O, NO ₂ , VOC,	O_3 , PAN
	c) NO, NO ₂ , VOC, O ₂ , PAN	d)	NO, N ₂ O ₅ , VOC,	O_3 , PAN
			· * ·	
24.	The international protocol to protect the C		-	
	a) Vienna protocol		Kyoto protocol	
	c) Cartagena protocol	d)	Montreal protocol	
25.	Which is the best and the worst method of	fnlum	e behavior for pollu	tion dispersion?
23.	a) Lofting and fumigation	_	Trapping and fann	_
	c) Conning and fumigation	d)	Fanning and Lofti	_
	c) Commig and runnigation	u)	Talling and Lore	115
26.	What is called for a Temporary hearing lo	ss?		
	a) Temporary ear pain		Temporary hearin	g problem
	c) Temporary threshold shift	d)	Temporary hearing	ng shift
27.	What timings loud speakers shouldn't use	-		
	a) 10.00 pm to 5.00 am		11.00 pm to 6.00 a	
	c) 1.00 am to 7.00 am	d)	10.00 pm to 6.00	am
28	In which section, if a person violates the	noise 1	pollution regulation	e is liable for nenalty
20.	according to Environmental Protection Ac			s, is made for penalty
	a) Section 12 b) Section 15		Section 18	d) Section 19
	a) Section 12	0)	Section 10	d) Section 19
29.	'Minamata Disease" is caused due to			
	a) Lead b) Arsenic	c)	Mercury	d) Cadmium
30.	The process of reducing the fluoride conte			
	a) Chlorination		Fluoridation	
	c) Defluoridation	d)	Fanning and Loftin	ng
31.	What is the Dissolved oxygen value requi	red fo	r the curvival of agu	atic enecies?
31.	a) 7 mg/L b) 8.2 mg/L		6.5 mg/L	d) 4 mg/L
	u) / mg/L 0) 0.2 mg/L	C)	U.J mg/L	u) + mg/L
32.	Which among the following is used to dur	mp the	waste collected in	the cities?
	a) Land fills b) Ocean		River	d) All of these

33.	Which type of waste includes items such a) Hazardous waste c) Bio – medical waste	as leftover food, fruit pee b) Organic waste d) Electronic waste	,
34.	Which of the integrated waste managemental a) Source Reduction b) Recycling		idual level? d) Burning
35.	What is called for the process of burning furnace under suitable temperature and op a) Landfill b) Recycling		
36.	The process of decomposition of biodegra		
37.	is a liquid that passes through solid a) Leachate b) Sludge	waste and extracts susper c) Distilled water	
38.	The colour code of plastic bag for disposi a) black b) red	ng of microbial laborator c) blue	ry culture waste d) white
39.	Average hospital waste produced per bed a) 1.5 to 2 kg b) 0.5 – 4 kg	per day in Government le c) 0.5 to 1 kg	
40.	Which of the following are the main control. Refrigerators / freezers, washing mail. Small household appliances III. Personal computers, telephones, lap IV. Gas cylinders, chimneys and home a a) Only I, II, III b) Only I & II	tops, printers.	
41.	 What is Extended Producer Responsibility in India? a) The responsibility of consumer to man b) The responsibility of manufactures to cycle c) The responsibility of retailers to manad d) The responsibility of informal recycles 	nage e – waste manage e – waste throug ge e – waste disposal	
42.	Which international agreement regulate waste, including e – waste? a) Kyoto Protocol c) Montreal Protocol	b) Paris agreement d) Basel convention	ovements of hazardous
43.	Which colour bin is used for e – waste? a) Blue b) Green	c) Yellow	d) Black
44.	What are the health hazards which can be a) Lung cancer b) DNA damage	caused by E – waste?	d) All of these

45.	Preparation of Guide assigned to	lines for Environmen	itally s	sound Managemen	t of e	e – waste is a duty
	a) Producer	b) Consumer	c)	MOEFCC	d)	SP CB/PCC
46.	What is India's globa	l rank in e -waste?				
	a) 3	b) 13	c)	23	d)	33
47.	When did the Karnataka State Pollution Control Board for prevention and control of water pollution constituted?					
	a) 1974	b) 1978	c)	1982	d)	1986
48.	Aerosol consisting of	liquid droplets is cal	led as			
	a) Mist	b) Dust	c)	Fog	d)	Aerosol
49.	Which of the following	ng is non – point sour	rce of	water pollution?		
	a) Factories			Sewage treatment	plan	t
	c) Urban and subur	ban land	d)	All of these	1	
50.	When is World Wate	r day celebrated?				
	a) January 26 th	b) June 5 th	c)	September 22 nd	d)	March 22 nd