STUTUT	Question Paper Version: A
100	fth Semester B.E./B.Tech. Degree Examination, Dec.2024/Jan.2025 Environmental Studies and E – Waste Management
	: 1 hr.] [Max. Marks: 50
MOALUM!	
	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.
5.	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 animalb) 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 snowc) 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
	c) Tropical Montana forests d) Grassland forest

7.	Hot spots areas have a) Low density of biodiversity c) High density of hot springs			Only endangered plants High density of biodiversity			
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 ability of earth to provide the resources d) all of these						
9.	The term Alpha diversity refers to a) Genetic diversity b) Community and ecosystem diversity c) Species diversity within a community or ecosystem d) Diversity among the plant						
10.	Algae, green plants a a) Autotrophic	and photosynthetic bac b) Heterotrophic		are Decomposers	d)	Consumers	
11.	Veld type grasslands a) South Africa		c)	Australia	d)	Britain	
12.	Which pyramid is alva) Energy	vays upright? b) Biomass	c)	Numbers	d)	Food chain	
13.	In what form is solar a) Ultraviolet Radiat c) Electromagnetic v		b)	e Sun? Infrared Radiation Transverse waves			
14.	What does MHD stands for in the energy field? a) Magneto Hydro Dynamic b) Metal Hydrogen Detox c) Micro Hybrid Drive d) Metering Head Differential						
15.		l' that can turn CO ₂ in b) Copper		quid fuel is : Graphene	d)	Potassium	
16.	A tide whose different a) Diurnal tide	nce between high and I b) Neap tide		side is greatest. Spring tide	d)	Ebb tide	
17.		can be mounted vertic b) Kaplan turbine			d)	Francis turbine	
18.	Which type of fuel service? a) Burnt fuel	is removed from the b) Spent fuel		ctor core after reac Engine oil		g end of core life Radioactive fuel	
19.	b) Converts heat enc) Converts chemic	ergy to chemical energergy to electrical energy to electrical energy to heat energy	gy	gy		*	

20.	Which one of the following is the apex pollution control? a) Water Pollution Control Board c) Central Pollution Control Board	organization in our country in the field ofb) State Pollution Control Boardd) Air Pollution Control Board
		*.
21.	is caused by drinking water high in r	
	a) Cholera	b) Kidney problemd) Methomoglobinemia
	c) Liver problem	d) Methornogloomenna
22.	Bhopal gas tragedy took place in the year _	and the gas responsible was
	a) 1964, Hydrogen fluoride	b) 1974, Methyl chloride
	c) 1984, methyl ISO – cyanide	d) 1994, Methyl sulphate
23.	The major chemical pollutants in photocher	nical emog are
23.	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
	c) 110, 1102, 100, 02, 17AI	u) 10, 1005, 100, 03, 1 Alv
24.	The international protocol to protect the Oz	one layer is
	a) Vienna protocol	b) Kyoto protocol
	c) Cartagena protocol	d) Montreal protocol
25.	Which is the best and the worst method of	plume behavior for pollution dispersion?
40.		b) Trapping and fanning
	c) Conning and fumigation	d) Fanning and Lofting
	o) commission and runnigution	a) Tunning and Botting
26.	What is called for a Temporary hearing los	
	a) Temporary ear pain	b) Temporary hearing problem
	c) Temporary threshold shift	d) Temporary hearing shift
27.	What timings loud speakers shouldn't use i	n public areas?
	a) 10.00 pm to 5.00 am	b) 11.00 pm to 6.00 am
	c) 1.00 am to 7.00 am	d) 10.00 pm to 6.00 am
28.		oise pollution regulations, is liable for penalty
	according to Environmental Protection Act	
	a) Section 12 b) Section 15	c) Section 18 d) Section 19
29.	'Minamata Disease" is caused due to	
	a) Lead b) Arsenic	c) Mercury d) Cadmium
	2, 11111	,,,,,
30.	The process of reducing the fluoride conter	
	a) Chlorination	b) Fluoridation
	c) Defluoridation	d) Fanning and Lofting
31.	What is the Dissolved oxygen value require	ed for the survival of aquatic species?
J1.	a) 7 mg/L b) 8.2 mg/L	c) 6.5 mg/L d) 4 mg/L
	-,	o, o.o mg/2
32.	Which among the following is used to dum	p the waste collected in the cities?
	a) Land fills b) Ocean	c) River d) All of these

33.	Which type of waste includes items such as a) Hazardous waste c) Bio – medical waste	eftover food, fruit peels and yard trimmings? b) Organic waste d) Electronic waste			
34.	Which of the integrated waste management is a) Source Reduction b) Recycling				
35.	furnace under suitable temperature and opera	nunicipal solid waste in a properly designed ating conditions? c) Vermicomposting d) Incineration			
36.	The process of decomposition of biodegrada a) Landfill b) Vermicomposting	ble solid waste by earthworms is called c) Composting d) Shredding			
37.	is a liquid that passes through solid wa a) Leachate b) Sludge	ste and extracts suspended impurities from it c) Distilled water d) Municipal			
38.	The colour code of plastic bag for disposing a) black b) red	of microbial laboratory culture waste c) blue d) white			
39.	Average hospital waste produced per bed per a) 1.5 to 2 kg b) 0.5 – 4 kg	The state of the s			
40.	Which of the following are the main contribut. Refrigerators / freezers, washing mach II. Small household appliances III. Personal computers, telephones, laptor IV. Gas cylinders, chimneys and home appa) Only I, II, III b) Only I & II	os , printers.			
41.	 What is Extended Producer Responsibility (in India? a) The responsibility of consumer to manage b) The responsibility of manufactures to manage c) The responsibility of retailers to manage d) The responsibility of informal recyclers to 	e e – waste inage e – waste throughout the product life e – waste disposal			
42.	Which international agreement regulates twaste, including e – waste? a) Kyoto Protocol c) Montreal Protocol	the transboundary movements of hazardousb) Paris agreementd) Basel convention			
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 ca a) Lung cancer b) DNA damage	c) Brain d) All of these			

45.	Preparation of Guidelines for Environmentally sound Management of e – waste is a cassigned to					s a duty		
	a) Producer	b)	Consumer	c)	MOEFCC	d)	SP CB/PC	CC
46.	What is India's global a) 3		ık in e –waste?	c)	23	۵)	33	
	a) 3	U)	13	C)	2.5	u)	J J	
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	liqu	id droplets is calle	d as				
	a) Mist		_	c)		d)	Aerosol	
49.	Which of the following	ng is	non – point sourc	e of	water pollution?			
	a) Factories	-0			Sewage treatment	plan	t	1
	c) Urban and suburl	ban	land	-	All of these	1		
50.	When is World Water							
	a) January 26 th	b)	June 5 th	c)	September 22 nd	d)	March 22	2 nd