



			Int	ernal Assessment Tes	st 1 – Nover	mber 2024				
Sub	ENVIRO	ENVIRONMENTAL STUDIES & E-WASTE MANAGEMENT					BCS508	Branch	CSE, AIML, AIDS & ISE	
Date	08.11.2024	Duration:	90 mins	Max Marks:	50	Sem		V	·	
				Answer all the questi	ons (Each c	arry 1 mark)				
1	Which is/are the abiotic cor (a) Soil (b) Protein (c) Carl	oon (d) None of the	above		15	Which of the following is the largest ecosystem on Earth? (a) Forest (b) Desert (c) Ocean (d) Wetlands				
2	2 What are the two basic categories of an ecosystem?(a) Aquatic and terrestrial (b) Aquatic and forest (c) Ponds and lakes (d) Rivers and forests					Which SDG is dedicated to affordable and clean energy? (a) SDG 4 (b) SDG 7 (c) SDG 11 (d) SDG 13				
3	What is the characteristic of each type of ecosystem?(a) Interaction between living things (b) Interaction between biotic and abiotic factors (c) Interaction between abiotic factors (d) Fights among individuals					What is the focus of SDG 10? (a) Reducing inequalities within and among countries (b) Promoting responsible consumption and production (c) Conserving marine life (d) Increasing economic				
4	Which of the following is an abiotic component of a pond?(a) Bacteria (b) Fungi (c) Water (d) FishesThe phytoplankton, zooplankton, and fungi are components of which ecosystem?					growth Which SDG promotes responsible consumption and production patterns?				
5 6	(a) Pond (b) Land (c) Deser	a) Pond (b) Land (c) Desert (d) Terrestrial Who consumes the autotrophic components?				(a) SDG 8 (b) SDG 12 (c) SDG 13 (d) SDG 15 What does SDG 17 focus on to strengthen the means of implementing and				
7	(a) Trees (b) Plant (c) Phyto What will happen if we rem	plankton (d) Heter		em?		revitalizing partnerships for the goals?(a) Promoting renewable energy (b) Developing global partnerships (c) Improving				
·	(a) Energy flow stops (b) Consumers die (c) Mineralization will not occur(d) Plants won't receive solar energy				20	gender equality (d) Enhancing healthcare access Which SDG includes the target to "achieve gender equality and empower all women and girls"?				
8	Which of the following is the primary source of energy in a forest ecosystem?(a) Oxygen (b) Water (c) Sunlight (d) Nutrients in the soil					 (a) SDG 3 (b) SDG 5 (c) SDG 8 (d) SDG 12 What percentage of the Earth's water is fresh water? (a) 3% (b) 10% (c) 20% (c) 50% 				
9	Which type of trees is typically found in a temperate forest ecosystem? (a) Cacti (b) Pine trees (c) Mangrove trees (d) Palm trees									
10	Which of the following statements is true about a forest ecosystem?(a) All animals are producers (b) Forests do not contribute to oxygen production(c) Forests help in the carbon cycle (d) The forest ecosystem is not affected by			gen production	22	Which of these is not a major cause of water scarcity?(a) Overpopulation (b) Industrial pollution (c) Deforestation (d) Agricultural irrigation				
11	human activities	•		t affected by	23	Which of the fo	ollowing is an exampledwater (b) Glacial me		le water resource? uifers (d) Surface runoff	
11	(a) Kalahari (b) Atacama (c	Which desert is the largest hot desert in the world? a) Kalahari (b) Atacama (c) Sahara (d) Gobi Wetlands are considered important ecosystems because they:				(a) Every ground water (c) characterized and the (c) robot aquaters (a) burnace randomWhat is the main cause of groundwater depletion?(a) Excessive use in agriculture (b) Industrial pollution (c) Low rainfall (d) Meltin				
12	(a) Absorb and store rainway year (d) Have no role in the	ter (b) Have low bi		dry most of the	25	of glaciers	-	-	ed to measure the acidity of	
13	Which of the following abio wetland?	otic factors is most	-			water? (a) Dissolved C	Dxygen (DO) (b) pH lo	-	ity (d) Biological Oxygen	
14	(a) Soil type (b) Temperature (c) Water depth (d) All of the above A riverine ecosystem refers to the ecosystems associated with:(a) Deserts (b) Lakes (c) Rivers and streams (d) Oceans					Demand (BOD) Which heavy metal is known to be highly toxic and a common pollutant in water bodies near mining areas? (a) Sodium (b) Lead (c) Calcium (d) Magnesium				

27 Which of the following is commonly used to disinfect water and make it safe for drinking?

(a) Chlorine (b) Mercury (c) Sulfur (d) Nitrogen

- Eutrophication in water bodies is caused mainly by excessive amounts of:
 (a) Salt (b) Oxygen (c) Nutrients (like nitrogen and phosphorus) (d) Metals
- 29 Which of the following diseases is caused by drinking water contaminated with Vibrio cholerae?

(a) Typhoid (b) Cholera (c) Malaria (d) Dengue

- Giardiasis is a waterborne disease caused by a:(a) Virus (b) Bacterium (c) Protozoan (d) Fungus
- Hepatitis A is primarily transmitted through:
 (a) Direct skin contact (b) Inhalation of aerosols (c) Consumption of contaminated food or water (d) Animal bites
- 32 Dengue fever is primarily spread by which type of mosquito?(a) Anopheles (b) Aedes (c) Culex (d) Blackfly
- Schistosomiasis, also known as bilharzia, is a water-induced disease caused by:
 (a) Bacteria (b) Protozoa (c) Viruses (d) Parasitic worms (flukes)
- 34 Excessive fluoride in drinking water mainly causes which health condition?(a) Dental fluorosis (b) Malaria (c) Tuberculosis (d) Typhoid
- Which of the following fluoride concentrations in drinking water is generally considered safe by the World Health Organization (WHO)?
 (a) 0.5 mg/L (b) 1.5 mg/L (c) 3.5 mg/L (d) 5.0 mg/L
- Which of the following is considered a conventional source of energy?(a) Solar power (b) Wind energy (c) Natural gas (d) Tidal energy
- 37 Which of the following processes is commonly used to produce hydrogen from natural gas?

(a) Electrolysis (b) Photosynthesis (c) Steam methane reforming (d) Fermentation

- Which component in a wind turbine is responsible for converting the rotational energy of the blades into electrical energy?(a) Blades (b) Gearbox (c) Generator (d) Nacelle
- Which of the following non-conventional energy sources is derived from organic matter such as agricultural waste and animal manure?
 (a) Geothermal energy (b) Biomass energy (c) Hydropower (d) Wind energy
- 40 Solar panels are typically made of which material to absorb sunlight efficiently?
- (a) Copper (b) Silicon (c) Aluminum (d) Zinc
 41 Which of the following is a major source of water pollution?
 (a) Burning fossil fuels (b) Industrial waste discharge (c) Solar power generation (d) Wind energy farms
- 42 What is the effect of oil spills on marine ecosystems?
 (a) Increase in oxygen levels in water (b) Enhanced photosynthesis in algae (c) Decreased sunlight penetration and harm to marine life (d) Increased fish populations.

43 Which type of water pollution results in the rapid spread of diseases like cholera and dysentery?

(a) Thermal pollution (b) Pathogenic microbial pollution (c) Chemical pollution(d) Nutrient pollution

44 What is one of the most effective preventive measures to reduce water pollution from agricultural runoff?

(a) Increased use of fertilizers (b) Implementation of buffer zones with vegetation (c) Deforestation of riparian areas (d) Overgrazing of livestock

45 Which type of pollution occurs when heat discharged into water bodies raises the temperature, harming aquatic life?

(a) Chemical pollution (b) Radioactive pollution (c) Thermal pollution (d) Noise pollution

- What is the most effective way to prevent waterborne diseases in communities?(a) Boiling water before drinking (b) Treating wastewater before discharge (c) Regular testing of water quality (d) All of the above
- 47 Which indicator organism is commonly used to assess the microbiological quality of drinking water?(a) E. coli (b) Salmonella (c) Vibrio cholera (d) Giardia
- Which of the following populations is most vulnerable to waterborne diseases?(a) Urban residents (b) Children under five years old (c) Adults aged 30-50 (d) Seniors over 65
- 49 Which of the following diseases can be caused by drinking contaminated water?(a) Diabetes (b) Cholera (c) Asthma (d) Heart disease
- 50 What is a common consequence of water pollution on aquatic ecosystems?
 (a) Increased biodiversity (b) Death of aquatic life due to hypoxia (c) Improved water quality (d) Enhanced photosynthesis

Repuster Course instructor

CCI

HOD

EVS Solution for IAT-1

1	Α, C	26	В
2	A	27	А
3	В	28	С
4	С	29	В
5	B C A	30	A C B C C B
6	D	31	С
3 4 5 6 7	С	32	В
8	С	33	D
9	В	34	A
10	D C B C C C A D C C B	35	B C C C B
11 12	С	36	С
12	А	37	С
13	D	38	С
14	С	39	В
15	С	40	В
16	В	41	В
17	А	42	B C B
18	В	43	В
19	В	44	В
20	В	45	С
21		46	D
22	A D D	47	А
22 23 24	D	48	В
24	А	49	В
25	В	50	В