Subject Code:- ANC0402 Roll. No:

NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA B.Tech

SEM: IV - THEORY EXAMINATION (2021 - 2022) Subject: Environmental Science

Time: 3 Hours

1 me: 3 m		Max. Marks: 50
3. Section B	ructions: fion paper comprises three sections, A, B, and C. You are expected to answer the fion paper comprises three sections, A, B, and C. You are expected to answer the five Question No-1 is 1 mark each & Question No-2 carries 2 mark each. Figure Question No-3 is based on external choice carrying 5 marks each. Figure Questions No. 4-8 are within unit choice questions carrying 4 marks each, should be left blank. Any written material after a blank sheet will not be evaluate SECTION A	m as directed.
	SECTION A	
1. Attempt a	all parts:-	15
1-a.	Ammonification is the formation of (CO1)	
	(a) Ammonia from nitrates by decomposers	1
	(b) Ammonia from nitrogen	
0	(c) Ammonia from amino acids	
	(d) Ammonia from nitrates by nitrogen fixers	
1-b.)]	Hydroponics is a technique of growing crops without(CO	2)
	(a) Water	- 1
	(b) Air	
	(c) soil	
	(d) Sunlight	
1-c.	The community which begins succession in a habitat is designated as (CO3)	
	(a) Seral community	1
	(b) Biotic community	
	(c) Ecosere	
1-d.	(d) Pioneer community	
1-0.	Excess Fluoride in drinking water is likely to cause (CO4)	1
	(a) Blue baby syndrome	
	(b) Fluorisis	
	(c) Cancer	
1-c.	(d) Intestinal irritation	
	When the consumption of natural resources are equal to nature's ability to resustainability is (CO5)	plenish then 1
	(a) Not sustainable	
	(b) Steady state economy	
	(c) Environmentally sustainable	
2. Attempt	14) Done of the at	
2.b.	Name the four segment of environment? (CO1)	2
2.c.		2
2.d.	TOTCHCE DETWEEN	2
	What is the full form of three R? How they are benificial for environment protect	tion? (CO4) 2

2.e.	Define bioindicators. How they work to check the environmental conditions? (CO5)	2
	SECTION B 15	
3. Answe	er any three of the following:-	
3-a.	Draw the diagram of pyramid of biomass, pyramid of number and pyramid of energy? (CO1)	5
3-ь.	With the help of diagram discuss biogas production in India? (CO2)	5
3.c.	Write down the role of biosphere reserve, sanctuaries, and national park regarding to biodiversity conservation? (CO3)	5
3.d.	Discuss the different methods of solid waste disposal? (CO4)	5
3.e.	Environmental education can play an important role in environmental protection? Justify it? (CO5)	5
	SECTION C	20
4. Answe	er any one of the following:-	
4-a.	Differentiate between renewable and non-renewable natural resources? (CO1)	4
4-b.	Discuss the different steps of Nitrogen cycle? (CO1)	4
5. Answe	er any one of the following:-	
5-a.	Discuss the limitations of solar and wind energy? (CO2)	4
5-b.	Describe potential of hydrogen as a future source of energy. (CO2)	4
6. Answe	er any one of the following:-	
6-a.	List reasons responsible for the depletion of wildlife? (CO3)	4
6-b.	Differentiate between In situ and ex situ conservation method of biodiversity? (CO3)	4
7. Answer	r any one of the following:-	
7-a.	Write three basic characteristics of a modern landfill site. What are the reasons they are used? (CO4)	4
7-b.	What is Eutrophication? Explain its consequences on the life of plants & animals living in such water? (CO4)	4
8. Answer	any one of the following:-	
8-a.	What do understand by EIA? Write involve steps in procedure of EIA. (CO5)	4
8-Ь.	Write short notes on the drawback of the wildlife Act? Discuss the objectives of Wild life Act? (CO5)	4

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