Printed Page	Page:- Subject Code:- ANC0302	
Tillitear	Roll. No:	
	NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOI (An Autonomous Institute Affiliated to AKTU, Lucknow)	DA
	B.Tech. SEM: III - THEORY EXAMINATION (2021 - 2022)	
	Subject: Environmental Science	
Time: 0	: 03:00 Hours Ma	ax. Marks: 50
General I	Il Instructions:	
1. All c	Il questions are compulsory. It comprises of three Sections A, B and C.	
very Sec No	ection A - Question No- 1 is objective type question carrying 1 mark each & Questry short type questions carrying 2 marks each. ection B - Question No- 3 is Long answer type - I questions carrying 5 marks each ection C - Question No- 4 to 8 are Long answer type - II questions carrying 4 mark o sheet should be left blank. Any written material after a Blank sheet valuated/checked.	n. ks each.
	SECTION A	
15		
	npt all parts:-	
1.a.	Which of the following is an autotrophic component of a pond ecosystem? (CC 1. Fungi 2. Fishes 3. Submerged plants	01) 1
	4. Water	
1.b.	The main constitute of CNG is (CO2) 1. Methane 2. Ethane 3. Propane 4. Butane	1
1.c.	"Biodiversity" means "the variety of life on (CO3)	1
	1. Earth 2. Atmosphere 3. Water bodies 4. Biosphere	
1.d. One of the best solution to get rid of non-biodegradable wastes is (CO4)		1
	 Burning Dumping Land filling Recycling 	
1.e.	Wild life Protection Act (CO5)	1
	1. 1972 2. 1987 3. 1989 4. 1990	

2. Attemp	t all parts:-	
2.a.	List all the segments of environment. ()CO1	2
2.b.	Name the different types of coal? (CO2)	2
2.c.	Define the term Psamosere? (CO3)	2
2.d.	Name some equipments used in air pollution control? (CO4)	2
2.e.	Write short notes on Chipko movement? (CO5)	2
	SECTION B	
15		
	any three of the following:-	_
3.a.	Explain hydrological cycle and discuss its importance in evolution and sustenance of biological life on Earth. (CO1)	5
3.b.	Describe potential of hydrogen as a future source of energy. (CO2)	5
3.c.	Describe the 10 various categories of IUCN red list and the status of threatened species? (CO3)	5
3.d.	Define acid rain. Write mechanisms involved in the formation of acid rain. (CO4)	5
3.e.	Discuss the concept of sustainable development. Write short notes on objectives and importance of sustainable development. (CO5)	5
	SECTION C	
20		
	r any <u>one</u> of the following:-	
4-a.	Define and explain the biotic and abiotic components of grass land ecosystem. (CO1)	4
4-b.	What is an inverted ecological pyramid and in which ecosystems such inverted pyramids may be obtained. (CO1)	4
5. Answer	any one of the following:-	
5-a.	Differentiate between renewable and non renewable natural resources. (CO2)	4
5-b.	Discuss the fluoride and arsenic problems in drinking water. (CO2)	4
6. Answer	any one of the following:-	
6-a.	Describe approaches for ex-situ conservation and in situ conservation as a strategy for biodiversity conservation. (CO3)	4
6-b.	What is ecological succession? Describe steps involve in ecological succession. (CO3)	4
7. Answer	r any <u>one</u> of the following:-	
7-a.	Write down the effects of air pollution on human health and environment . (CO4)	4
7-b.	What is meant by ozone shield? Name four ozone depleting substances. (CO4)	4
8. Answer	any one of the following:-	
8-a.	Write down the objectives and drawbacks of Forest Act. (CO5)	4
8-b.	What do understand by EIA? Write involve steps in procedure of EIA . (CO5)	4