Printed Pa	ge:-	Subject Code:- ANC0201
		Roll. No:
	NOIDA INSTITUTE OF ENGINEERING	AND TECHNOLOGY, GREATER NOIDA
	(An Autonomous Institute A	ffiliated to AKTU, Lucknow)
	В.7	Tech
	SEM: II - THEORY EXA	MINATION (2021 - 2022)
		nmental Sciences
Time: 3	Hours	Max. Marks: 50
General In	nstructions:	
1. The que	estion paper comprises three sections, A, B, a	and C. You are expected to answer them as directed.
2. Section	A - Question No- 1 is 1 marker & Question	No- 2 carries 2 mark each.
3. Section	B - Question No-3 is based on external choice	ce carrying 5 marks each.
4. Section	C - Questions No. 4-8 are within unit choice	questions carrying 4 marks each.
5. No shee	et should be left blank. Any written material a	after a blank sheet will not be evaluated/checked.
	SECTION	N A 15
1. Attemp	t all parts:-	
1-a.	The region of atmosphere which is mainly i	responsible for burning of meteorites in: (CO1)
	(a) Stratosphere	
	(b) Thermospheres	
	(c) Mesophere	
	(d) Troposphere	
1-b.	The land which is abandoned and declare	d as not good for cultivation any more is known 1
	as (CO2)	
	(a) Polder land	
	(b) Koogs land	
	(c) Derelict land	
	(d) Catchment land	
1-c.	The direction of succession is (CO3)	1
	(a) Predictable	
	(b) Unpredictable	
	(c) Haphazard	

	(d) Always changing	
1-d.	The major photochemical oxidant is (CO4)	1
	(a) Hydrogen peroxide	
	(b) Ozone	
	(c) Nitrogen di oxide	
	(d) PAN	
1-e.	Wild life Protection Act in India was enacted on (CO5)	1
	(a) 1972	
	(b) 1987	
	(c) 1989	
	(d) 1990	
2. Attem	pt all parts:-	
2.a.	Define the term biomagnifications? (CO1)	2
2.b.	"Water harvesting system is an effective measure to reduce the problem of water scarcity."  Justify the statement. (CO2)	" 2
2.c.	Write down the stages of succession. (CO3)	2
2.d.	Describe the causes of soil pollution . (CO4)	2
2.e.	Name the Protocol countries agreed to phase out hydro chlorofluorocarbons (HCFCs (CO5)	). 2
	SECTION B 15	
3. Answe	er any three of the following:-	
3-a.	Discuss the biotic and abiotic components of grassland ecosystem. (CO1)	5
3-b.	Differentiate between conventional and non-conventional energy resources with suitable examples. (CO2)	e 5
3.c.	Write short notes on extinction and endangered species . Give examples each (CO3)	5
3.d.	Describe the different methods of solid waste disposal. (CO4)	5
3.e.	Briefly discuss the salient features of Environmental protection act. (CO5)	5
	SECTION C 20	
4. Answe	er any <u>one</u> of the following:-	
4-a.	Explain pyramid of energy is always upright triangle.(CO1)	4
4-b.	Discuss the impact of modern agriculture on the environment.(CO1)	4

5. Answer	any one of the following:-	
5-a.	Discuss the limitations of solar energy and wind energy.(CO2)	4
5-b.	How high fluoride concentration in ground water affect human life? (CO2)	۷
6. Answei	any one of the following:-	
6-a.	Discuss the advantages and disadvantages of In situ and Ex situ conservation method of biodiversity. (CO3)	4
6-b.	Discuss the importance of biodiversity regarding direct and indirect values. (CO3)	4
7. Answer	any one of the following:-	
7-a.	Write down the control measures of air and water pollution. (CO4)	4
7-b.	Give some examples where the stone (Marble) work is corroded by acid. (CO4)	4
8. Answer	any one of the following:-	
8-a.	Discuss the strategy adopted by Government of India for the development of women education. (CO5)	4
8-b.	What is EIA ?Explain the involve steps in environmental impact assessment. (CO5)	4