Printed	Page:- Subject Code:- ANC0402				
	Roll. No:				
	NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA				
	(An Autonomous Institute Affiliated to AKTU, Lucknow)				
	B.Tech				
	SEM: IV - THEORY EXAMINATION (2022-2023.)				
	Subject: Environmental Science				
	2 Hours Max. Marks: 50				
	Instructions:				
	ify that you have received the question paper with the correct course, code, branch etc.				
	1. This Question paper comprises of three Sections -A, B, & C. It consists of Multiple Choice				
Questions (MCQ's) & Subjective type questions.					
2. Maximum marks for each question are indicated on right -hand side of each question.3. Illustrate your answers with neat sketches wherever necessary.					
	e suitable data if necessary.				
	5. Preferably, write the answers in sequential order.				
-	eet should be left blank. Any written material after a blank sheet will not be				
evaluated/checked.					
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	SECTION A 15				
1. Attem	SECTION A 15 pt all parts:-				
	SECTION A 15 pt all parts:- Which one is sedimentary cycle? (CO1) 1				
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	(c) Species richness			
	(d) Population density			
1-d.	Which of the following is a non-point source of water pollution (CO4)	1		
	(a) Factories			
	(b) Urban and sub urban lands			
	(c) Sewage water plant			
	(d) All of the above			
1-e.	Which of the following options is not incorporated as sustainable development parameters? (CO5)	1		
	(a) Gender disparity and diversity			
	(b) Inter and intra-generational equity			
	(c) Carrying capacity			
	(d) None of the above			
2. Atte	mpt all parts:-			
2.a.	Explain the terms Food chains and Food webs. (CO1)	2		
2.b.	How biogas is produced in rural areas ? (CO2)	2		
2.c.	What features make a community stable? (CO3)	2		
2.d.	What is water pollution? (CO4)	2		
2.e.	Write short notes on the formal environmental education? (CO5)	2		
	SECTION B	15		
3. Answer any <u>three</u> of the following:-				
3-a.	What is the mechanism to maintain balenced ecosystem? (CO1)	5		
3-b.	What are the three types of energy? How the Ocean Thermal Exchange Capacity (OTEC) is operating? (CO2)	5		
3.c.	Enlist the threats to biodiversity and describe in brief (CO3)	5		
3.d.	Describe the causes, effects and measures of land pollution . (CO4)	5		
3.e.	Explain the salient features of EPA? Discuss the strategy adopted by Government for the protection of environment. (CO5)	5		
	SECTION C	20		
4. Answer any <u>one</u> of the following:-				
4-a.	What do you understand by pyramid and pyramid of energy is always upright triangle? (CO1)	4		
4-b.	Draw a schematic representation of the structure of an ecosystem. (CO1)	4		

5-a.	Explain the importance of rainfall as main source of water. (CO2)	2
5-b.	Write explanatory note on fluoride problem in drinking water. (CO2)	2
6. Answe	er any <u>one</u> of the following:-	
6-a.	Discuss the important wildlife projects of India. (CO3)	2
6-b.	What is biodiversity? Discuss the importance of biodiversity? (CO3)	2
7. Answe	er any <u>one</u> of the following:-	
7-a.	What are smog and photochemical smog ? How does this affect the plants? . $(CO4)$	۷
7-b.	What are the control measures used for controlling water pollution? (CO4)	2
8. Answe	er any <u>one</u> of the following:-	
8-a.	What do you understand by the term bioindicators and discuss their role in ecosystem ?(CO5)	2
8-b.	Write short notes on the functions of State Pollution Control Board regarding Water(Prevention)Act. (CO5)	4
	2022	

5. Answer any one of the following:-