Printed I	Page:- 03	Subject Code:- BNC0201		
		Roll. No:		
NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA				
(An Autonomous Institute Affiliated to AKTU, Lucknow)				
B.Tech SEM: II - THEORY EXAMINATION (2023- 2024)				
Subject: Environmental Sciences				
Time: 2	2 Hours	Max. Marks: 50		
General	Instructions:			
IMP: Veri	ify that you have received the question po	per with the correct course, code, branch etc.		
<b>1.</b> 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.				
<ul><li>4. Assume suitable data if necessary.</li><li>5. Preferably, write the answers in sequential order.</li></ul>				
<b>6.</b> No sheet should be left blank. Any written material after a blank sheet will not be				
evaluated/checked.				
	SECTIO	N A 15		
1. Attempt all parts:-				
1-a.	A food web consists of (CO1)	1		
	(a) portion of food chain			
	(b) producers, consumers			
	(c) . Interlocking food chain			
	(d) A set of similar conditions			
1-b.	The main constitution of LPG is (CO2)	1		
	(a) Methane			
	(b) Ethane			
	(c) Propane			
	(d) Butane			
1-c.	Biodiversity" means "the variety of life	on (CO3) 1		
	(a) Earth			
	(b) Atmosphere			
	(c) Water bodies			

	(d) Biosphere			
1-d.	Excess Fluoride in drinking water is likely to cause(CO4)			
	(a) Blue baby syndrome			
	(b) Fluorisis			
	(c) Cancer			
	(d) Intestinal irritation			
1-e.	The Environmental Protection Act was enacted in the year (CO5)			
	(a) 1986			
	(b) 1987			
	(c) 1989			
	(d) 1990			
2. Attempt all parts:-				
2.a.	Name the different segments of atmosphere?(CO1)			
2.b.	Write down the functions of forest resources?(CO2)			
2.c.	What is species and genetic biodiversity?(CO3)			
2.d.	Define the term pollution and pollutants?(CO4)			
2.e.	Write short notes on effects and control measure of flood?(CO5)			
	SECTION B	15		
3. Answer any <u>three</u> of the following:-				
3-a.	Name and explain the various steps carried out in nitrogen cycle?.(CO1)			
3-b.	What are the different types of renewable energy sources? Explain advantages			
	of renewable energy resources?(CO2)			
3.c.	Discuss the major threats and importance of biodiversity?(CO3)			
3.d.	Discuss the causes and effects of ozone layer depletion?(CO4)			
3.e.	Discuss the salient features of Air (Prevention and control of	5		
	pollution)Act,1981?(CO5)	20		
SECTION C 20				
	4. Answer any <u>one</u> of the following:-			
4-a.	Define the term ecosystem? Discuss the biotic and abiotic components of ecosystem(CO1)	4		
4-b.	Discuss the different steps of carbon cycle?(CO1)	4		
5. Answer any <u>one</u> of the following:-				

Define the term natural resources? Classify natural resources on different 5-a. 4 parameters?(CO2) 5-b. Describe the importance of wind energy in India with special reference to its 4 uses and limitations?(CO2) 6. Answer any <u>one</u> of the following:-Define the term biodiversity? Differentiate between ex situ and in situ 6-a. 4 conservation of biodiversity?(CO3) 6-b. Define the term hot spot of biodiversity? Name the hotspots present in 4 India?(CO3) 7. Answer any one of the following:-7-a. Define the term noise pollution? Discuss the causes and effects of noise 4 pollution?(CO4) 7-b. Discuss the causes and effects of air pollution?(CO4) 4 8. Answer any one of the following:-Define the term environmental impact assessment? Discuss the different 8-a. 4 steps/methodology of EIA regarding environmental protection?(CO5) 8-b. Define the term bioindicators? Name the different types of bioindicators and 4 their uses?(CO5)