A		Reg. No.:								
		Question	Paper Co	ode: U20)31					
B.E./B.Tech. DEGREE EXAMINATION, MAY 2022										
Second Semester										
		Civ	il Engineer	ing						
		21UGM231-	Environme	ental Scienc	ce					
		(Re	gulations 20	021)						
		(Comm	on to All br	anches)						
Duration: Three hours					\mathbf{N}	Maximum: 100 Marks				
		Answe	er ALL Que	estions						
		PART A	$-(10 \times 1 = 1)$	10 Marks)						
1.	% of oxygen content in Troposphere?								CO1	l-U
	(a) 19	(b) 21	(c)	78			(d) 1			
2.	Select the eco	g,					CO1	l-U		
(a)Burning of solid wastes (b) Av					tbins					

The magnitude of earthquake is 8.5 in richter scale having ability to

The two gases making highest relative contribution to the greenhouse gases

(b) CO₂ and CH₄

(b)exponential

(b) lesser than

(b) Increase

The acid rain ----- the pH of water.

(c) Reuse the material

generate water waves

(a) greater than

(a) Decrease

(a) CO₂ and N₂O

(a) sigmoid

DNA in cells are affected by

(a) Visible rays (b) Infra-red rays

Preferred population growth pattern is

are

4.

(d) both (b) and (c)

(c) equal

(a) Visible rays

(c) No change

(a) CO₂ and N₂O

(c) arithmetic

CO1-U

CO1-U

CO1-U

CO1-U

CO1-U

(d) Constant

(b) CO₂ and CH₄

(b) Infra-red rays

(d) None of the above

(d) None of these

8.	Better standards of living are expected with COI-U								
	(a) I	Literacy	(b) health care	(c) women welfare	(d) All c	of the abo	ve		
9.	At p	oresent 95%	of energy is obtained fi	rom fossil fuels like			CO2-U		
	(a) Anthracite		(b) Peat	(a) LPG	(b)Methane				
10.	The	wires contain	ining carbon nano tube	s haveresistance			CO2-U		
	(a) lower		(b) higher	(a) equal (l		b) None of the above			
			PART – E	$3 (5 \times 2 = 10 \text{Marks})$					
11.	List	out the publ	ic participating groups	•			CO1-U		
12.	Wha	What will you do if the corporation water has unpleasant smell? CO1-U							
13.	List	CO1-U							
14.	State the role of information technology in Environment.								
15.	What are called nano scale materials?						CO2-U		
			PART -	- C (5 x 16= 80Marks)					
16.	(a)	Describe th	e structure and functio	on of ecosystems.		CO1-U	(16)		
			(Or					
	(b)	Outline the ecosystem?		of any one of the aquatic		CO1-U	(16)		
17.	(a)		cent case study.	control measures of water p	ollution	CO1-U	(16)		
	(h)	Describe t		Or ontrol measures of landslic	dec and	CO1-II	(16)		
	(0)	earth quake	•	ontrol measures of landshe	ies and	CO1-0	(10)		
18.	(a)	What is medays?	eant by rain water harv	vesting? Why is it necessary	now a	CO1-U	(16)		
	(1.)	D: 4		Or	1	CO1 II	(1.6)		
	(b)		utline the reasons of oz	ozone layer depletion and zone layer depletion and its		CO1-U	(16)		
19.	(a)	•	v it is likely to differ fr	mid of a developing count on that of a developed court	-	CO1-U	(16)		

- (b) Narrate the role of information technology in environment CO1-U (16) management.
- 20. (a) What is known as energy demand? Compare the present scenario of CO2-U (16) energy and suggest points for the energy conservation for future.

 Or
 - (b) Explain the nano properties, characteristics and applications of nano CO2-U (16) materials