A	Reg. No.:
	<b>Question Paper Code: U2031</b>
	B.E./B.Tech. DEGREE EXAMINATION, NOV 2022
	Second Semester
	Civil Engineering
	21HCM221 Funinguage 1 Spinger

	<u> </u>	3.E./B. Iech. DEGREE E	XAMINATION, NOV	2022	
		Second	Semester		
		Civil Eı	ngineering		
		21UGM231- Env	vironmental Science		
		(Regula	tions 2021)		
		(Common to	All branches)		
Dura	ation: Three hours			Maximum: 100	) Marks
		Answer Al	LL Questions		
		PART A - (10	x 1 = 10  Marks		
1.	Pyramids of Num	bers at each successive l	evel		CO1- U
	(a) Decreases	(b) Increases	(c) constant	(d) no	change
2.	Select the eco-frie	endly activity from the fo	ollowing,		CO1- U
	(a)Burning of sol	id wastes	(b) Avoid dustbins		
	(c) Reuse the mat	erial	(d) both (b) and (c)	)	
3.	The magnitude o	g ability to	CO1-U		
	(a) greater than	(b) lesser than	(c) equal	(d) Consta	nt
4.	The acid rain	the pH of water.			CO1-U
	(a) Decrease	(b) Increase	(c) No change	(d) None o	of these
5.	The two gases ma	aking highest relative con	ntribution to the greenh	nouse gases	CO1-U
	(a) CO <sub>2</sub> and N <sub>2</sub> O	(b) CO <sub>2</sub> and CH <sub>4</sub>	(a) CO <sub>2</sub> and N <sub>2</sub> O	(b) CO <sub>2</sub> and C	CH <sub>4</sub>
6.	DNA in cells are	affected by			CO1-U
	(a) Visible rays	(b) Infra-red rays (a)	Visible rays	(b) Infra-red r	ays
7.	Preferred populat	ion growth pattern is			CO1-U
	(a) sigmoid	(b)exponential	(c) arithmetic	(d) None of	of the above

8.	Better standards of living are expected with CO1-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 t	from fossil fuels like			CO2-U
	(a) A	Anthracite	(b) Peat	(a) LPG	(b	)Methane	;
10.	The	wires contai	ning carbon nano tube	es haveresistance	e		CO2-U
	(a) l	ower	(b) higher	(a) equal	(b) No	ne of the	above
			PART – I	B (5 x 2= 10Marks)			
11.		-	two food chains from f tropic levels)(Algae, ins	Collowing organisms. sects, frog, fish, birds, snakes,	lizards)		CO1-U
12.	Wha	at will you do	o if the corporation wa	ater has unpleasant smell?			CO1-U
13.	List	out the green	n house gases?				CO1-U
14.	Stat	te the role of information technology in Environment.					CO1-U
15.	Wha	at are called	nano scale materials?				CO2-U
			PART	$-C (5 \times 16 = 80 \text{Marks})$			
16.	(a)	List out the awareness.	importance of enviro	nmental studies and Public		CO1-U	(16)
				Or			
	(b)	Outline the ecosystem?		n of any one of the aquatic		CO1-U	(16)
17.	(a)		cent case study.	control measures of water p	oollution	CO1-U	(16)
	(b)	Describe th		Or control measures of landsli	des and	CO1-II	(16)
	(0)	earth quake	-	ontrol incasures of fandsh	des and	CO1-0	(10)
18.	(a)	What is medays?	eant by rain water har	vesting? Why is it necessar	y now a	CO1-U	(16)
	(1.)	D: 41		Or	1	CO1 II	(1.6)
	(b)		utline the reasons of o	ozone layer depletion and its		CO1-U	(16)
19.	(a)			amid of a developing cour	•	CO1-U	(16)

(b) Narrate the role of information technology in environment CO1-U (16) management.

20. (a) How the alternate energy sources play an important role in CO2-U (16) environment.

Or

(b) List out the advantages and disadvantages of non-conventional CO2-U (16) energy resources?