А		Reg. No:											
		Question Pan	er C	ode	• 52	2001	7						
	B.E. / B.Tech. DEGREE EXAMINATION, MAY 2018												
	Second Semester												
	UIVII Engineering												
(Common to ALL branches)													
		(Common to	ntion (2015		5)							
Dura	ation: Three hours	(nogun		2015)			N	laxir	num	: 100) Mai	rks
		Answer Al	LL O	uesti	ons								
		PART A - (10	x 1 =	= 10	Marl	ks)							
			<u> </u>	10	i viui i	KO)							
1.	The establishment o	f one or more species	on a l	bare	area	is ca	alled	as				CO	1 -R
	(a) Competition	(b) Nudation	(c)	Mig	gratio	on			(d) Inv	rasio	n	
2.	Western ghats are ve	ery rich in endemic sp	ecies	of								CO	1- R
	(a) Lion	(b) Turtles		(c) A	Amp	hibia	ins		(d) Bir	ds		
3. Bhopal gas tragedy was due to leakage of									CO	2- R			
	(a) MIC	(b) DDT	(c)	C ₆ H	I ₆				(d) D	ioxi	ns	
4.	The radioactive isot	ope that participates in	n cart	on r	neta	bolis	sm of	f pla	nt			CO	2- R
	(a) ${}_{6}C^{12}$ (1	b) ${}_{6}C^{14}$ (c)	₇ N ¹⁴						(d) 7N	N ¹³		
5.	Number of neutron moving neutron is	s released in a single	e fiss	ion	of 92	$_{2}U^{235}$	by	a fa	st			СО	3- R
	(a) 3	(b) 4	(c)	2					(d) 1			
6.	The minimum wind generator is	speed required for sa	tisfac	tory	wor	king	of a	ı wir	nd			CO	3- R
	(a) 15 km/hr	(b) 20 km/hr	(c)	21 k	km/h	r			((d) 17	7 km	/ hr	

7.	Which of the following NGO is associated with "Chipko Movement"?							CO4- R		
	(a) H	Kalpavriksh	(b) Srishti	(c) Dasholi Gram Swarajyamandal			(d) Green Peace			
8.	Mos	Most important ozone depleting agent is						CO4 -R		
	(a) (CFC	(b) N ₂ O		(c) CH ₄		(d) Pb			
9.	HIV pass from infected person to others by							CO5 -R		
	(a) S	Saliva		(b) Contaminated blood						
	(c) (Contaminated nee	inated needles and syringes			(d) All of these				
10.	According to Indian constitution article provide equality before law.					_ provides for		CO5 -R		
	(a) 1	7	(b) 14		(c) 19		(d) 25			
	PART - B (5 x 2 = 10 Marks)									
11.	. What are the major threats to biodiversity?							CO1 -R		
12.	. List the sources of air pollutants.									
13.	. What are the significance of wind energy.									
14.	. What are the causes and effects of global warning.									
15.	15. Mention the environmental issues of population growth. CO									
			PA	RT – C (5	5 x 16= 80Ma	rks)				
16.	 (a) (i) What is an ecosystem? Explain the structure and functions of C each components in an ecosystem with example. (ii) Explain the major factors that are responsible for the values C of biodiversity. 						CO1-U	(10)		
							CO1-U	(6)		
Or										
	(b)	(i) Explain the structure and function of forest ecosystem.				CO1-U	(8)			
	(ii) Discuss the concept of conservation of biodiversity.						CO1-U	(8)		
17.	(a)	(i) What are the effects and contr	sources of th ol methods.	ermal pol	lution? Discu	ss briefly its	CO2- U	(8)		
		(ii) Elaborately of management.	liscuss the st	eps involv	ved in solid w	aste	CO2- U	(8)		

	(b)	(i) Explain the role of an individual in the prevention of pollution.	CO2- U	(10)
		(ii) How does earth quake take place? Explain the steps to be taken to mitigate the earth quake disaster.	CO2- U	(6)
18.	(a)	What are renewable and non-renewable energy resources? Why are renewable energy resources preferred for energy utilization now-a-days? Explain in detail.	CO3- Ana	(16)
		Or		
	(b)	Write notes on tidal energy and geothermal energy.	CO3 -U	(16)
19.	(a)	(i) With the help of neat diagram explain rain water harvesting.	CO4- U	(10)
		(ii) What is meant by acid rain? How does it form? What are the major impacts of acid rain?	CO4- U	(6)
		Or		
	(b)	(i) Write an elaborate note on the salient features of "The Environmental Protection Act-1986.	CO4 -U	(8)
		(ii) Discuss various measures for waste land reclamation.	CO4 -U	(8)
20.	(a)	(i) What are the objectives and elements of value education? How can it be achieved?	CO5- U	(6)
		(ii) What is HIV? How is it caused? What are the preventive measures suggested?	CO5- U	(10)
		Or		
	(b)	(i) Discuss women and child welfare programs practiced in India.	CO5 -U	(6)
		(ii) Explain the role of information technology in environmental and human health.	CO5- U	(10)