A		Reg. No. :										
		Question Paper	Coc	le:	59	175						
	B.E.	/B.Tech. DEGREE EXA	١MA	NA	TIO	N, N	IOV	201	8			
		Open el	ectiv	/e								
		Computer Science	and	En	gine	ering	5					
	15UCE975	- ENVIRONMENTAL	SCII	ENC	CE A	ND	EN	GINI	EERI	ING		
	(Common to EC	CE, EEE, EIE ,MECH,IT (Regulatio	and and 20	l Ch)15)	nemi)	cal H	Engii	neeri	ng b	rancl	hes)	
Du	ration: Three hours	Answer AI I	Οιμ	esti	ong		ľ	Maxi	imur	n: 10	00 N	lark
		PART A $_{-}(10 \text{ y})$	1 =	101	Marl	(2)						
1	Interlocking pattern	of various food chains is	1 — Leali	ا ۱۵ امط	viaii	(3)						CO
1.	(a) Food chain	(h) Food web) Fr	nero	v flo	W /		T (b)	roni	cal le	vels
2	The World Environm	nent day is celebrated or) []	1015.	y 110	••	,	(u) 1	Topi		
2.	(a) 6^{th} June	(b) 5 th June	(c) 6	th Jul	v		((d) 5 ^t	^h Jul	v	00
3.	PH value of treated of	drinking water is betwee	n	, -		5		(5	CO
	(a) 6.5 to 8.5	(b) Equal to 7	(c) le	ss th	an 7			(d) 7	7 to 1	14	
4.	PH value of soil is between							~ /			CO	
	(a) 2.2 to 9.6	(b) 6.5 to 8.5	(c) 6	to 6.	5		((d) 2	to 7		
5.	The size of dust part	The size of dust particles is										CO
	(a) 0.5to 100 µm	(b) 1to 150 µm	(c) 1.	5to 2	200 µ	ım	((d) 1	to 20)0 μ1	n
6.	Methyl mercaptain is mainly emitted from									CO		
	(a) Paper	(b) Paper and pulp	(c) Pı	ılp			((d) D	ust		
7.	is formed from incomplete combustion of organic matter.							CO				
	(a) Fumes	(b) smoke	(c) fo	g			(0	d) mi	ist		
8.	The BOD removal efficiency in Activated sludge process is about								CO			
	(a)70-80%	(b) 60-98%	(c) 8	5-90	%			(d) 6	60-80)%	

9.	The	microbial film of the trickling filter is aero	CO5- R									
10.	(a) 0. The j	10 to 0.20 mm (b 10 to 20 mm orinciple used for making payment to com) 100 to 200 m C	m 2O5-R								
	(a) B	eneficiary pays Principles	(b) Precautionary principles									
	(c) P	rinciples 15	(d) Polluter- pays principles									
PART - B (5 x 2= 10 Marks)												
11.	State	food chain and food web.	COl·	CO1- R								
12.	Defi	ne morality	CO2-U									
13.	Defin	ne biodiversity	CO3- R									
14.	Defi	ne Good housekeeping.	CO4- U									
15.	Anal	yze the objectives of EIA.	CO5- Ana									
		PART - C (5 x)	16= 80 Marks)									
16.	(a)	Define ecosystem .Explain its structure components of ecosystem.	actural and functiona	l CO1-U	(16)							
Or												
	(b)	Explain in detail about components of en	vironment.	CO1- U	(16)							
17.	(a)	Explain about physical and chemical prop	CO2-U	(16)								
Or												
	(b)	Explain in detail about environment policies on new projects with their impact	l CO2-U	(16)								
18.	(a)	Explain about the sources, process and e waste.	effects of municipal solid	1 CO3-U	(16)							
Or												
	(b)	Explain in detail about Bio diversity.		CO3-U	(16)							
19.	(a)	Explain in detail about waste treatmen Process and Trickling Filter.	t process Active Sludge	e CO4-U	(16)							
Or												
	(b)	Explain in detail about different types of	clean technologies	CO4- U	(16)							

20. (a) Explain in detail about the role of non government organizations CO5- U (16) and community participation in environmental management.

Or

(b) Explain in detail about environment impact assessment (EIA). CO5- U (16)