MAX. MARKS: 100

B. E / B. TECH.DEGREE EXAMINATION, MAY 2023

Sixth Semester

CH18018 - ENVIRONMENTAL ENGINEERING

(Chemical Engineering)

TIME:3 HOURS

(Regulation 2018 / Regulation 2018A)

CO CO	2 5	Explain the sources & effects of air pollution to the environment. Summarize various treatment technologies for wastewater released from proceduscuss hazardous and non-hazardous solid waste management.	ess indus	stries.	
CO		Explain the noise pollution standards and controlling methods.			
CO	5]	Identify the importance of Environmental Impact Assessment (EIA).			
		PART- A(10x2=20Marks) (Answer all Questions)			
		(Find wer an Questions)		CO	RBT LEVEL
1.	Rel	ate the dry adiabatic lapse rate with atmospheric stability.		1	2
2.	Enu	imerate four secondary air pollutants.		1	2
3.	List	t four coagulants used for wastewater treatment.		2	2
4.	Illu	strate the pattern of bacterial growth curve.		2	2
5.	Ide	ntify the problems involved in open dumping.		3	3
6.	Dei	monstrate the characteristics by which hazardous wastes are classified.		3	2
7.	Ind	icate the normal sound pressure level and physically painful noise level for	human	4	2
	beii	ng according to WHO.			
8.	Sur	nmarize on the impact of noise pollution on plants.		4	2
9.	List	t the objectives of Environmental impact assessment.		5	2
10.	Out	cline the role of public in EIA process.		5	2
		PART- B (5x 14=70Marks)			
			Marks	CO	RBT LEVEL
11. (a		Explain the meteorological factors affecting air pollution and its effects on air pollution.	(14)	1	2
(OR)					
(b))	(i) With a neat flowsheet depict the carbon cycle.	(7)	1	3
		(ii) Explain with neat sketch the different types of plume behaviour.	(7)	1	3

Q. Code:580017
