Major: CEL879: Industrial Waste Management

	Max Marks:			
Date: 2 nd May 2008		y 2008 Time: 2 hr	Time: 2 hr	
Q1	•	ow the 'waste' is defined for audit purposes? /hat is waste audit?	(5) (6)	
	(c) Name different 'phases' in 'Step by Step Approach' to carry out			
		aste audit?	(7)	
	(d) T	rue or False:	(2)	
		i. 'Audit preparation is a process in Phase-3' of audit process ii. 'Process input and Process output are steps in Phase-1' of audi iii. 'Evaluate waste reduction options' is a step in Phase-3 of audi iv. 'Derive a material balance' is a step in Phase-2 of audit proces	t process.	
Q2	(a) D	raw a diagram showing typical components of material balance?	(6)	
		/hat is 'Net Input'?	(2)	
	7 ,	hat are the components of 'Process Output'? List them only.	(5)	
	(d) W	hat is Photocatalysis? Name the mostly used Photocatalyst?	(7)	
Q3	True or False?			
	i.	Contact time in Trickling Filter is more than ASP.	(5)	
	ii.	The 'Slime' layer contains matter in either 'suspended' or 'colloi-		
		forms.	(5)	
	iii.	Zoogleal mass is 'Floc Concentration'.	(5)	
	iv.	Aerobic degradation of protein gives Phenol as end product.	(5)	
Q4	(a)	Differentiate between 'Lyophillie' and 'Lyophobie' Colloids?	(10)	
	(b)	How generation of 'eddies' in settling tank affect its efficiency of How these 'eddies' are produced in a settling tank?	f settling? (10)	
Q5	(a) Describe eategory 'A' Environmental Assessment process with its attributes? (15)			
	(b)	Differentiate between 'Industrial Waste' and 'Sewage Waste'?	(5)	