Total No. of Questions: 8]		SEAT No. :
P4230	[4860]-614	[Total No. of Pages : 2

M.E. (Civil - Water Resource and Environmental Engineering) ADVANCED WASTE WATER TREATMENT (2012 Course) (501610)

	(2012 Course) (30101	.0)
Time : 3	Hours]	[Max. Marks : 100
Instructi	ions to candidates:	
1)	Answer any three questions from each section.	
2)	Figures to the right indicate full marks.	
3)	Assume suitable data if necessary clearly mention	ning the same.
4)	Use of non - programmable scientific calculator	is allowed
	<u>SECTION - I</u>	
Q1) a)	Write the basic principle and function for sedimentation tank.	the grit chamber and primary
		[10]
b)	Write the five characteristics of wastewater standards for the same parameters.	with significance and effluent [6]
Q2) a)	Explain basic mass balance reactions for a	erobic and anaerobic process [10]
b)	Explain the kinetics of biological growth.	[6]
Q3) a)	Write short note on.	[10]
	i) Grit Chamber	
	ii) Disposal of grit material.	

b) Design PST 1 MLD . Assume the necessary data.

[8]

