MODEL QUESTION PAPER

EIGHTH SEMESTER B.TECH DEGREE EXAMINATION

2008 Scheme

08.803 – Environmental Engineering – II (C)

	08.803 – Lilvironniental Liighteening – 11 (C)					
Time: 3 Hrs Maximum Marks: 100						
	PART - A					
	(Answer all questions)					
1. What is						
2. Define s						
	4. What is self cleansing velocity? Write down the shield's expression for self cleansing velocity?					
5. What is	meant by sewage sickness?					
6. Distingu	ish between low rate and high rate trickling filter?					
7. Explain	the principles of house drainage					
8. What are	e factor affecting sludge digestion	(8×5)				
	PART – B					
Answer any one question from each module						
9. (a) How	BOD is estimated?	(8)				
(b) For a sample of sewage 5 day BOD at 20°c is 200 mg/l and it is 67% of						
Ultimate BOD, What will be its 4 day BOD at 30° c?						
Citi	Or	(12)				
10. (a) With a neat sketch explain oxygen sag curve and significance of critical Deficit?						
(b) Explain the different system of sewage?						
Module II						
_	an Imhoff tank to treat the sewage from a small town with 30,000 populewage may be assumed as 150 liters per head per day?	lations. The (20)				
	Or					
12 (a) Decid	gn and sketch a septic tank for 500 persons?	(10)				
	lain the working and design principles of a grit chamber?	(10)				
(b) Expi	tain the working and design principles of a grit chamber.	(10)				
Module III						
	the neat sketch of a sludge digestion tank and explain the working and s of sludge digestion?					
(12)						
(b)Expla	in the systems of plumbing?	(8)				
Or 14. (a) What are aerated lagoons? How do they work (10)						
14. (a) What are aerated lagoons? How do they work						
(b) Expl	lain the principle of working of an oxidation pond?	(10)				