	Seat No.:	
(SARDAR PATEL UNIVERSITY M.Sc. (EST) (Third Semester) Examination Saturday, 29th October, 2016	
	2.00 p.m. to 5:00 p.m. PS03EEST01: Industrial Pollution and Control Technology Max. Marks: 76	
)
	[08]	
Q.1.	Multiple Choice Questions (Choose Correct Answer) [08]	
1) 2) 3) 4) 5) 6) 7)	The waste water is coming from the flush toilets. The Wastewater is called a) Gray water b) Yellow water c) Black water d) Brown water Granular medium filters can either operate by gravity flow or by a) Temperature b) Pressure c) water d) All of the above	
		[4]
Q.	 Write a Short Note on followings (Any Seven). Scouring and Carbonizing of woolen textile mill Reverse Osmosis treatment Principle of cooling tower Nuclear fission and Nuclear fusion Noise control at transmission path Manufacturing process of Nylon-6 Important contaminants related to waste water Full private ownership of CETP Cheese and Butter making process 	
	2. Choose the different biological	
` ((2. 3.a) Why we go for the secondary treatment process? Explain the different biological treatment process.	[06] [06]
	b) Write different methods of dewatering process for developing proc	rn (1
	b) Explain the different types of solids are present in the waste water sample.	[06]
	Q.4. a) Explain the different feasibility assessment steps of CETP.	[06]
	Q.4. a) Explain the different leasioning about	ro (1

[06] b) Describe the concepts and disadvantages of CETP. b) Describe the conveyance system and some Preliminary treatments related to [06] CETP.

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Q.5. a)	What are the different alkaline waste generated during the viscose Rayon manufacturing process with diagram. Write the special treatments for the zinc recovery process.	
h)		[06]
b).	Explain the different wet operations of Cotton textile mill with flow diagram. OR Draw flow diagram of Black liquor recovery process of Paper mill. Explain the different waste treatment of pulp and paper mill.	[06]
•	What is NIHL? Describe the most sensitive parts of Human ear and impact of no on human being.	f0Z1
		[06]
b) E	escribe the natural and manmade sources and effects of radiation pollution. OR xplain the different sources of ionization with examples.	[06]
	Tomzadon willi examples.	[06]

