M.Sr. Sem III June 2018

Analytical Chemistry III

Q.P. Code: 39085

[Time: 2½ Hours]	[Marks: 60]
Please check whether you have got the right question paper. N.B: 1. All questions are compulsory.	
2. Use of log tables/non-programmable calculator is permitted	
Q.1 A) Attempt any two of the following:	08
i) Discuss the importance of recycle and reuse of water from effluent.	SOUTH STATE
ii) Explain in brief the steps involved in primary effluent treatment.	To a supply
iii) What do you understand by term COD? How is it controlled in ETP proc	
iv) How are the metals recovered from effluent by application of principles Electrochemistry?	Or.
B) Describe the hazardous effect of effluent from the dye industry.	04
AND CONTRACTOR OF THE PROPERTY	
B) Explain the importance of sewage treatment with respect to environment safe	ty- 04
O 2 A) Attempt any two of the fall of the state of the st	
Q.2 A) Attempt any two of the following () () () () () () () () () (08
statement with examples.	in the
ii) Discuss the need of segregation of dry and wet waste. Add a note on	
treatment of dry waster 300 A Control of the state of the	
iii) How does solid waste generated in residential area affect civil life?	
iv) Effective solid waste management is a part of sustainable development	-
P) Explain:	
B) Explain the importance of solid cake obtained in effluent treatment.	04
B) Discuss the 3-R concept of solid waste management.	
	04
2.3. A) Attempt any two of the following:	08
Explain the use of paints in preventing the corrosion of metals	
How are the plastics classified? What is meant by fractionation of plast	ics?
Say Sure the properties and applications of organosilicones	
iv) What are inorganic pigments used in plastic? How are they analyzed?	
B) List the different components of paints with their role.	04
OR S B) Vist matallia implicition is also to see the second seco	
B) List metallic impurities in plastics. Explain the method for the determination of the metallic impurities.	fany 04
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