## DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE – RAIGAD -402 103

## Mid Semester Examination - October - 2017

Branc	h: F. Y. B. Tech (Group B)	Sem.:-1
	ct with Subject Code:- Engg. Chemistry (CHM103)	Marks: 20
	- 4/10/2017	Time:-1 Hr.
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Insti	ructions:-All questions are compulsory.	(Marks)
Que.	No. 1 Multiple Choice Questions.	(06)
1.	For regeneration of Zeolite	ton
11.		$g(HCO_3)_2$
111.	If only one Phase is present in one component system then the no of degree of freedom will be  a. 0 b. 1 c. 2 d. 3	
IV.	Which indicator is used to determine COD	
	a. Starch b. ferroin c. Methylorange	d. none
٧.	In Pb-Ag alloy systemis the temperature at Eutectic point.	
	a. 303°C b. 300°C c. 325°C	I. 350°C
VI.	In water system, the curve which represent equilibrium between ice and water vapour is called	
	a. Vaporisation curve b. Sublimation curve c. fusion curve	d. None
Que.	No. 2 Attempt any one of the following:	(06)
	a.) Define softening of water. Explain Zeolite process of softening of water with	rits
	advantages and disadvantages.	
	b.) Draw Phase diagram of Sulphur system and explain the curves, areas and tri	ple
	points in it.	
Que.	No. 3 Attempt any two of the following	(08)
	a.) Write a note on Chemical Oxygen Demand (COD).	
	b.) What is Phase rule equation? Explain the term Phase involved in Phase rule	equation.
	c.) Explain types of water.	

