Seat No.:	Enrolment No.
Deat 110	Linoinent 100.

GUJARAT TECHNOLOGICAL UNIVERSITY BE- Vth SEMESTER-EXAMINATION - MAY/JUNE - 2012 do: 152803

Subject code: 152803 Subject Name: Analytical Textile Chemistry - I Fime: 02:30 pm – 05:00 pm Total Ma Instructions:			
Q.1	(a) (b)	•	07 07
Q.2	(a)	Enlist various constituents of water. Discuss the detrimental effect of non metallic and metallic hardness in textile processing.	07
	(b)		07
	(b)		07
Q.3	(a)	Discuss test methods for determination of Fire point and Flash point of lubricants.	07
	(b)	Discuss about potentiometric titration in detail. OR	07
Q.3	(a)	Discuss test methods for determination of acid number and saponification number of lubricants.	07
	(b)	•	07
Q.4		Discuss ultimate analysis of coal in detail. Explain bomb calorimeter with neat sketch.	14
		OR	
Q.4		Explain Red-wood viscometer in detail with neat sketch.	14
Q.5	(a)	Discuss test methods for determination of acidity of water sample.	07
	(b)	Discuss test methods for determination of iron content of water sample. OR	07
Q.5	(a)	Discuss test methods for determination of alkalinity of water sample.	07
	(b)	Discuss test methods for determination of manganese content of water sample.	07