Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY BE- IVth SEMESTER-EXAMINATION - MAY/JUNE- 2012

BE- IV SEMESTER-EXAMINATION – MAY/JUNE- 2012 Subject code: 142805 Date: 31/05/2012

Time	: 10	Name: Elements of Textile Processes 2:30 am – 01:00 pm Total Mark	s: 70
Instr	uct	ions:	
	1.	Attempt all questions.	
		Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Write object of Ginning. Also explain "Saw Gin" in detail.	07
	(b)	What are objects of Blow room? Explain any one Cleaner in detail.	07
Q.2	(a)		07
	(b)	Write types of Comber. Also explain sequence of operations in a comber. OR	07
	(b)	Explain principle of operation in Ring Frame with suitable diagram.	07
Q.3	(a)	· · · · · · · · · · · · · · · · · · ·	07
	(b)	Define – Warping. Also show yarn passage on Slow speed warping machine.	07
		OR	
Q.3	(a)	Write objects of Sizing. Also explain any one sizing machine in brief.	07
	(b)		07
Q.4	(a)	1 0	07
	(b)	Write Shedding mechanism in detail.	07
		OR	
Q.4	(a)		07
	(b)	What is Singeing? Explain any one Singeing machine in detail.	07
Q.5	(a)	Discuss Enzymatic desizing in detail.	07
	(b)	· · · · · · · · · · · · · · · · · · ·	07
		OR	
Q.5	(a)	What is Finishing? Also write objects of Finishing.	07
	(b)	Write brief note on Hypochlorite bleaching.	07
