Seat No.:	Enrolment No.

## GUJARAT TECHNOLOGICAL UNIVERSITY

ME – SEMESTER-1 (NEW) EXAMINATION – WINTER 2016

Subject Code: 2712509 Subject Name: Textured Yarn Technology Time: 2:30 pm to 5:00 pm Total Marks			
			Instru
Q.1	(a)	Explain the principle of intermingling process. Which factors affect the intermingling process? How?	07
	<b>(b)</b>	6 61	07
Q.2	(a)		07
	<b>(b)</b>	Does increase in twist level affect yarn tension in false twist texturing? Justify your answer.	07
		OR	
	<b>(b)</b>	Write short notes on  (i) Pin texturing  (ii) PUR Discs	07
Q3.	(a)		07
	(b)	Explain the HT heater used in draw texturing. Also mention advantages and disadvantages over the conventional vapor phase heater.	07
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Q3.	(a)	performance.	07
	<b>(b)</b>	development in heating medium.	07
Q4.	(a)	Discuss the feed material characteristics which affect the textured yarn properties.	07
	<b>(b)</b>	What are the main functions of spin finish in texturing process? Discuss.  OR	07
Q4.	(a)	Which methods of texturing are used for winter outer wear, men's socks and carpet yarns? Why?	07
	<b>(b)</b>	Write a short note on creel design and its management on texturing machine.	07
Q5.	(a)	With neat sketch explain working of simultaneous false twist texturing process. Also explain working of Heberlein jet.	07
	<b>(b)</b>	· · · · · · · · · · · · · · · · · · ·	<b>07</b>
		OR	
Q5.	(a) (b)	- · · · · · · · · · · · · · · · · · · ·	07 07

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