Seat No.:	Enrolment No.
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## **GUJARAT TECHNOLOGICAL UNIVERSITY**

BE - SEMESTER-III • EXAMINATION – WINTER 2013

Subject Code: 132901 Subject Name: Textile Fibers Time: 02.30 pm - 05.00 pm Instructions:  Date: 07-12-2013 Total Marks: 70			)13
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Q.1	(a) (b))	How the cotton is cultivated? Enlist the different verities of cotton. State the advantages of TPA over DMT.	07 07
Q.2	(a) (b)	Discuss about the sericulture of silk.  Give the classification of Man-made textile fibers.  OR	07 07
	<b>(b)</b>	Discuss in detail about morphological structure of wool.	07
Q.3	(a) (b)	Explain the manufacturing process of Nylon-6. Explain silk reeling and silk throwing processes.  OR	07 07
Q.3	(a) (b)	Give the manufacturing process of Viscose Rayon. How jute is cultivated? Describe it's properties.	07 07
Q.4	(a) (b)	Discuss in detail about the essential properties of Textile fibers.  Write notes on Cashmere and Angora fibers.  OR	07 07
Q.4	(a)	What is Polymerization? Compare between Addition and Condensation Polymerization.	07
	<b>(b)</b>	Explain the manufacturing process of Polyester.	07
Q.5	(a) (b)	Discuss about Cuticle and Lumen of cotton fibre.  Give the properties of Polyester fibre.	07 07
Q.5	(a) (b)	Write a note on Milk fibre.  Draw neat sketches of cross-sectional shape of all natural fibres alongwith their densities.	07 07

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