Seat No.:	Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-III EXAMINATION - SUMMER 2016**

Subject Code:132901			Date:02/06/2016	
Tiı	ne:10		70	
	1. 2. 3.	r		
Q.1	(a)	Enlist various fibre spinning techniques. Enumerate on any one in detail with neat sketch.	07	
	<b>(b)</b>	State composition and various properties of wool fibres.	07	
Q.2	(a) (b)	Give different microscopic views of various natural fibres. State the list of various requirements for the fibre formation. Discuss about any two in detail.	07 07	
		OR		
	<b>(b)</b>	Explain the manufacturing of Bemberg fibre.	<b>07</b>	
Q.3	(a) (b)	Explain in detail the growth, production and manufacture of ramie fibre.  Give the detailed spinning process of viscose rayon.  OR	07 07	
Q.3	(a) (b)	Explain in detail the growth, production and manufacturing of cotton fibre.  Describe the chip formation technique for nylon 6,6 fibre.	07 07	

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Discuss the synthesis process, properties and applications of Saran fibres.

Describe the manufacturing process of secondary acetate rayon in detail.

Give the detailed manufacturing of fibre grade polypropylene fibre.

Give the technological aspects involved with sericulture of Silk.

Write detailed note on Bamboo fibre.

Explain briefly about minor hair fibres.

Explain in detail the Pineapple leaf fibre.

Elucidate various properties of PET fibres.

**Q.4** 

**Q.4** 

**Q.5** 

Q.5

(a) **(b)** 

(a)

**(b)** 

(a)

(a)

**07** 

**07** 

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