Sea	t No.:			
		GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-III(OLD) • EXAMINATION – WINTER 2016		
	Subject Code:132901 Date:02/01/2		2017	
Tir	Time: 10:30 AM to 01:00 PM Instructions:			
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a) (b)	Explain the growth, production and manufacture of jute fibre in detail. Give the spinning and drawing technique for Polyester fibre manufacturing.	07 07	
Q.2	(a) (b)	Write a detailed note on sericulture. Mention various properties of sisal and pineapple leaf fibres. OR	07 07	
	(b)	Write a note on natural mineral fibre.	07	
Q.3	(a) (b)	Enumerate different physical and chemical properties of cotton fibre. Write a detailed note on Bamboo fibres. OR	07 07	
Q.3	(a) (b)	Give microscopic longitudinal view and cross sectional view of any four natural and any three man-made fibres. Describe about minor hair fibres in depth.	07 07	
Q.4	(a)	Give a critical review on manufacturing processes for Casein fibres and groundnut fibres.	07	
	(b)	Explain the technological aspects associated with metallic fibres. OR	07	
Q.4	(a) (b)	Give a brief idea about manufacturing of viscose rayon. Signify 'Drawing'. Discuss the drawing process dealt with nylon 6 chip manufacturing.	07 07	
Q.5	(a)(b)	Enlist various requisites for polymers to be fibres. Explain the importance of any two in detail. Give the detailed manufacturing of polypropylene fibre with its properties.	07 07	
		OR		

(a) Elaborately explain the manufacturing process of Triacetate fibres.(b) Discuss the techno-chemical aspects for manufacturing of polyacrylonitrile

Q.5

fibres.

07 07