

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V (NEW) EXAMINATION – SUMMER 2019

Subject Code: 2152906		Code: 2152906 Date: 03/06/20	Date: 03/06/2019	
Subje	ect N	Name: Physical Testing-I		
·			Marks: 70	
Instru	ctions	3:		
		Attempt all questions.		
		Make suitable assumptions wherever necessary.		
	3.	Figures to the right indicate full marks.		
Q.1	(a)	Write objectives of textile testing.	03	
•	(b	•	04	
	(c)		07	
		of neat sketch.		
Q.2	(a)	Define the following terms: 1. Tex 2. Denier 3. English Count	03	
	(b		04	
		fineness.		
	(c)	Write a brief note on "Maturity of cotton fibres & its measurement".	07	
		OR		
	(c)	Discuss the basic principle, construction & working of AFIS.	07	
Q.3	(\mathbf{a})	What is HVI? Which are properties measures by HVI?	03	
	(b)	·	04	
	(c)		07	
		with a neat sketch.		
0.1	()	OR	02	
Q.3			03	
	(b)	Draw baer sorter diagram and derive various length parameters of cotton fiber.	04	
	(c)		07	
	(C)	Shirley Moisture Meter.	U1	
Q.4	(a)		03	
ζ	(b		04	
	(c)		07	
		measure it.		
		OR		
Q.4	(\mathbf{a})	What is CSP? Discuss importance of CSP in weaving Process.	03	
	(b)	•	04	
	(c)		07	
		working of Lea Strength Tester.		
Q.5			03	
	(b)		04	
	(c)	÷	07	
0.5	(~	OR Define the terms: Stress Strein and Work of runture	Ω2	
Q.5	(a) (b)	•	03 04	
	(c)		07	
	(0)	properties of spun yarn?	07	
