Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII(OLD) • EXAMINATION – WINTER 2016
Subject Code: 172906 Date: 18/11/2016
Subject Name: Knitting and Garment Technology (Department Elective - I)
Time: 10:30 AM to 01:00 PM Total Marks: 70

Instructions:

I.	Attemp	t all	questions.	
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- ${\bf 2.} \quad {\bf Make\ suitable\ assumptions\ wherever\ necessary.}$
- 3. Figures to the right indicate full marks.

Q.1	(a) (b)	•				
Q.2	(a) (b)	What is Tuck? Describe how it is formed with a neat sketch. Describe Purl knit structure with neat sketch and state its important properties. OR	07 07			
	(b)	Describe Rib knit structure with neat sketch and state its important properties.	07			
Q.3	(a) (b)	Describe complete knitting cycle of Raschel knitting machine with neat sketch. Describe how horizontal stripping can be achieved in weft knitting briefly. OR	09 05			
Q.3	(a) (b)	Compare Tricot and Raschel warp knitting machines. Describe Intarsia and laying in briefly in weft knitting.				
Q.4	(a) (b)	Draw and explain layout of garment manufacturing unit. Discuss any three requirements of marker planner. OR				
Q.4	(a)	Explain the following with respect to spreading: (i) correct ply direction & adequate lay stability (ii) correct ply tension	07			
	(b)	Describe different types of seam briefly with suitable sketch.	07			
Q.5	(a)	Discuss in detail how IT is useful for garment industry.	07			
	(b)	With a neat sketch, describe the formation of lock stitch.	07			
		OR				
Q.5	(a)	Explain with neat sketch, cutting with band knife.	08			
	(b)	Describe any two workaids in detail.	06			
