Seat N	o.: _	Enrolment No	
		GUJARAT TECHNOLOGICAL UNIVERSITY	
BE- V th SEMESTER-EXAMINATION – MAY/JUNE - 2012 Subject code: 152903 Date: 04/06/2012			
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•		Name: Fabric Structure-I 130 pm – 05:00 pm	Λ
Instr		· · · · · · · · · · · · · · · · · · ·	U
		empt all questions. ke suitable assumptions wherever necessary.	
3.		ires to the right indicate full marks.	
Q.1	(a)	What are the characteristics of toweling fabrics? Which weaves are suitable for toweling purpose. Why? Hence construct only design for Brighton Honeycomb on 16×16 .	07
	(b)	Give design, draft, pegplan and cross-section for ordinary welts & weft wadded welts. Give the significance of adding wadded threads.	07
Q.2	(a)	How 1/3 twill can be produced with prominent and intermediate effect.	07
	(b)	Draw only Design for the following:	07
		i. Devon's Huck	
		ii. Twill on 75°	
		iii. Twill on 20° OR	
	(b)		07
	(~)	i. Crepe weave on 8 x 8 using sateen base	
		ii. Irregular Satin on 6 x 6.	
Q.3	(a)	Construct Design, Draft & pegplan of Herringbone twill with vertical effect (base twill is 3/3).	07
	(b)	Give design, draft & peg plan for the following:	07
	(2)	i. Diaper on 12 x 12 (with minimum possible healdshafts)	0,
		ii. Diamond on 10 x 10 (using diamond base)	
		OR	
Q.3	(a)	Draw design, draft, pegplan & cross section of modified hopsack.	07
	(b)	Give design, draft & peg plan for the following: i. Vertical Extension of 5 thread Sateen	07
		 Vertical Extension of 5 thread Sateen Sponge Weave 	
Q.4	(a)	Give only design for the following:	07
		i. Mockleno	
		ii. Stitched Hopsack	
	4 ×	iii. Zigzag Twill with straight Draft	
	(b)	Explain the classification of fabrics based on the methods of producing them. OR	07
Q.4	(a)	Give only design for the following:	07
		i. Mayo or Campbella	
		ii. Broken Twill (Vertical effect)	
0.4	(b)	iii. Twilled Hopsack. Give the brief description of Canyas & Poplin fabrics.	07