Seat No.: Enrolment No	
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Subject Name: Advanced Fabric Structure and CAD

Subject Code: 162902

Time: 10:30 am - 01:00 pm

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI • EXAMINATION – SUMMER • 2014

Date: 21-05-2014

Total Marks: 70

Instru	ction	s:	
	1.	Attempt all questions.	
	2.	Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	
Q.1	(a)	Give only designs for:	07
		i. Birds eye effect	
		ii. Continuous line effect (in vertical direction)	
		iii. Shepherd's check pattern	
	(b)		07
	. ,	in terry fabrics.	
Q.2	(a)	Construct spot effect on 20 x 20. (given fabric specifications 28 epi and 28 ppi). Incorporate plain order of distribution of spots.	07
	(b)		07
	()	i. Compound stripe effect by using compound warping, simple wefting and simple weave.	
		ii. Weft back cloth.	
		OR	
	(b)	With the help of neat sketch, explain positive easing mechanism used in leno weaving.	07
Q.3	(a)	Briefly explain the construction & characteristics of Russian Cord.	07
Q.C	(b)	· -	07
	(6)	i. Wire warp pile	0,
		ii. Plain back corded velveteen of single cord width	
		OR	
Q.3	(a)		07
Ų.J	` ′		07
	(b)	Discuss the advantages of fast pile anchorage with suitable designs.	U/
Q.4	(a)	Draw design, draft & pegplan for the warp back cloth (4/1 twill 1F:1B)	07
	(b)	Give Design & Cross section for the following:	07
		i. Plain back velveteen	
		ii. Twill back velveteen	
		OR	
Q.4	(a)		07
•	(b)		07
Q.5	(a)	Give only designs for the following:	07
Q.J	(a)	i. Weft wadded double cloth(stitching from back to face)	07
	(b)		07
	(b)	· · · · · · · · · · · · · · · · · · ·	07
o =		OR	^=
Q.5	(a) (b)		07 07
