Seat No.:	Enrolment No.

Subject Code: 162902

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI • EXAMINATION - WINTER • 2014

Date: 28/11/2014

Ti	U	Name: Advance Fabric Structure & CAD 2:30 pm - 05:00 pm Total Marks: 7	70
1115		Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Draw Design, Draft & Pegplan for extra weft figuring using two extra weft in a continuous manner	07
	(b)	With the help of suitable designs, explain the basic sheds formed using a flat steel slotted doup while producing leno fabrics.	07
Q.2	(a)	Discuss any 2 special mechanisms in detail which are required for weaving of terry fabrics.	07
	(b)	Construct spot effect on 30 x 30 with 3 spots in the repeat. (given fabric specifications 32 epi and 32 ppi).	07
		OR	
	(b)	Explain the construction of Damask & Brocade Fabrics. Also give the main points of difference between them.	07
Q.3	(a)	Write a brief note on Terry Ornamentation.	10
•	(b)	Explain briefly the steps for developing a dobby design using CAD software. OR	04
Q.3	(a)	With the help of design, explain the construction of Spider leno. Also give its main characteristics.	07
	(b)	Discuss advantages and disadvantages of extra warp figuring and extra weft figuring.	07
Q.4	(a)	Explain in detail all the stages of constructing Jacquard design.	10
	(b)	Construct only design for the Treble cloth.	04
	` '	OR	
Q.4	(a)	Give only designs for the following:	07
		i. Compound stripe pattern	
		ii. Compond check pattern	
	(b)	Construct design, draft and peg-plan for warp Back cloth.	07
Q.5	(a)	With the help of design and cross-section, explain Plain back velveteen and Twill back vevelteen.	07
	(b)	Give only designs for the following:	07
		i. Weft back cloth	
		ii. Double cloth with wadded warp	
		OR	
Q.5	(a)	Give design, draft and pegplan for dog's tooth effecteffect.	07
	(b)	Give only designs for the following:	07
		i. Double cloth	
		ii. Centre warp stitched double cloth	
