

GUJARAT TECHNOLOGICAL UNIVERSITY

DIPLOMA ENGG.- IIIrd SEMESTER-EXAMINATION – MAY/JUNE- 2012

Subject code: 332903

Date: 30/05/2012

Subject Name: Fabric Structure - I

Time: 02:30 pm – 05:00 pm

Total Marks: 70

Instructions:

- 1. Attempt all questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**
- 4. English version is considered to be Authentic**

Q.1	(a) Explain in Detail the graphical method for representation of weave on point paper	08
	(b) Define terms	06
	1) Average count	2) Count of the Reed
	3) Count of the Heald	
Q.2	Draw Design, Draft & Peg-plan	15
	1) Satin weave on eight heald	2) Diaper Design on 16 x 16
	3) Mat-weave (Regular floats)	
	OR	
Q.2	Draw Design, Draft & Peg-plan	15
	1) Sateen weave on eight heald	2) Diamond weave
	3) Fancy / Stitched mat weave (Irregular floats)	
Q.3	Draw Design, Draft & Peg-plan	15
	1) Warp Rib weave (Regular float)	2) Reversible crape weave
	3) Brighton Honey comb	
	OR	
Q.3	Draw Design, Draft & Peg-plan	15
	1) Warp Distorted weave	2) Weft cork screw weave
	3) Weft wadded welt structure	
Q.4	Draw Design, Draft & Peg-plan	15
	1) Crepon Bed ford cord weave	2) Devon Huck-a-back weave
	3) Double stitched Honey comb weave	
	OR	
Q. 4	Draw Design, Draft & Peg-plan	15
	1) Bed ford cord weave on alternate pick	
	2) Extra warp figuring with motif	
	3) Herring bone twill weave	
Q.5	(a) State the necessary loom equipment for extra warp and extra weft figuring.	05
	(b) State the quality particulars for	06
	(1) Poplin	(2) Denim
	(3) Georgette	
	OR	
Q.5	List the derivatives of plain weave and explain in details derivatives of plain weave with examples (Design, Draft & Peg-plan)	11
