

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER-V (NEW) EXAMINATION – WINTER 2024****Subject Code:3152903****Date:17-12-2024****Subject Name:Fabric Structure****Time:10:30 AM TO 01:00 PM****Total Marks:70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

		Marks
Q.1	(a) Define the terms: Draft, Design and Peg-plan.	03
	(b) Draw design of irregular weft rib.	04
	(c) Draw design, draft and peg-plan of 12*12 plain weave.	07
Q.2	(a) State the characteristics of plain weave.	03
	(b) Explain any one method for representation of weave on paper.	04
	(c) With the help of design, explain how crepe weave can be constructed using reversing principle.	07
	OR	
	(c) Draw design of 12×12 irregular satin weave with suitable moves.	07
Q.3	(a) Draw design of Satinette weave.	03
	(b) Draw design of fancy basket weave.	04
	(c) Construct design, draft and peg-plan of twill faced bedford cord weave.	07
	OR	
Q.3	(a) State the characteristics of twill weave.	03
	(b) Draw only design of transposed twill.	04
	(c) Construct design, draft and peg-plan of diaper weave using balance twill.	07
Q.4	(a) State the characteristics of toweling fabrics?	03
	(b) Write the rules for selecting move no of satin/sateen weave.	04
	(c) Draw design, draft and peg plan of 10x6 pointed twill weave.	07
	OR	
Q.4	(a) Draw design of warp distorted effect.	03
	(b) Construct design of diamond weave.	04
	(c) Construct design, draft and peg-plan of brighton honey comb weave using balance twill.	07
Q.5	(a) Give the classification of bedford cord	03
	(b) Draw design of huck a back weave.	04
	(c) Explain and draw design of extra warp and extra weft figuring with suitable motif.	07
	OR	
Q.5	(a) Draw design of weft distorted effect.	03
	(b) Draw design of warp corkscrew weave.	04
	(c) Construct design, draft and peg-plan of mock leno weave.	07
