

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER-V (NEW) EXAMINATION – WINTER 2020****Subject Code:3152903****Date:29/01/2021****Subject Name: Fabric Structure****Time:10:30 AM TO 12:30 PM****Total Marks: 56****Instructions:**

1. Attempt any **FOUR** questions out of **EIGHT** questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

		MARKS
Q.1	(a) Define the term i) Draft ii) Design iii) Peg plan	03
	(b) State the characteristics of plain weave and its usages.	04
	(c) Construct design, draft and peg plan for the Herringbone Twill.	07
Q.2	(a) State the characteristics of twill weave.	03
	(b) Write the rules for selecting move no. of sateen/satin weave.	04
	(c) Draw design, draft and peg plan of plain weave on 12 X 12.	07
Q.3	(a) With the help of an example explain the balanced and unbalanced twill weave.	03
	(b) State the characteristics and uses of honeycomb fabric.	04
	(c) Draw design, draft and peg plan for Brighton honey comb.	07
Q.4	(a) Draw only design of mock leno weave.	03
	(b) Compare extra warp with extra weft figuring.	04
	(c) Draw design and cross section of irregular warp rib and regular weft rib.	07
Q.5	(a) Explain any one methods for representation of weave on paper.	03
	(b) Draw design of "Satinette" weave.	04
	(c) With the help of design, draft and peg plan, explain how weft corkscrew weaves are constructed.	07
Q.6	(a) Give the classification of Bedford cords.	03
	(b) Draw design for Devon huckaback.	04
	(c) Draw design, draft and peg plan of modified hopsack.	07
Q.7	(a) Draw only design of warp distorted effect.	03
	(b) State the different methods used to produce crepe weave.	04
	(c) Draw design, draft and peg plan of crepe using any one method.	07
Q.8	(a) State the difference between diamond and diaper weave.	03
	(b) Draw design of Barleycorn weave on 8X8.	04
	(c) Construct design, draft and peg plan for the diamond weave.	07
