

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-V (NEW) EXAMINATION – SUMMER 2019****Subject Code: 2152903****Date: 31/05/2019****Subject Name: Fabric Structure-I****Time: 02:30 PM TO 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.

		MARKS
Q.1	(a) Explain the characteristics of twill weave.	03
	(b) Explain methods of ornamentation of plain weave.	04
	(c) Give classification of Twill weave and Draw only design of balanced twill in 8 X 8.	07
Q.2	(a) Enlist different types of draft.	03
	(b) What are the characteristics of toweling fabric?	04
	(c) Draw design, draft and peg plan of Transposed twill.	07
	OR	
	(c) Draw design and cross section of irregular warp rib and regular weft rib.	07
Q.3	(a) State the characteristics of satin and sateen weaves.	03
	(b) State and explain rules for forming best regular and irregular sateen with suitable illustrations.	04
	(c) Construct design, draft and peg plan of herringbone twill on 8 shaft.	07
	OR	
Q.3	(a) Construct design of 5 end sateen weave.	03
	(b) Construct design of crepe weave.	04
	(c) Draw design, draft and peg plan of Honeycomb with equal cell formation.	07
Q.4	(a) State the different methods use to produce crepe weave.	03
	(b) Draw design of Devon Huckaback weave.	04
	(c) Draw design, draft and peg plan for Brighton honey comb.	07
	OR	
Q.4	(a) Draw design of "Satinette" weave.	03
	(b) Construct design of diamond weave.	04
	(c) With the help of design and cross section, explain how wadded Bedford cords are constructed.	07
Q.5	(a) Draw design and denting of Mock-leno weave.	03
	(b) Construct design of diaper weave.	04
	(c) Construct weft corkscrew weave on 7 x 7	07
	OR	
Q.5	(a) What are welt and pique structures?	03
	(b) Draw design, draft and peg plan of plain weave on 10 x 10	04
	(c) Construct design, draft and peg plan of regular and irregular hopsack weave	07
