GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER– V (New) EXAMINATION – WINTER 2019

Subject Code: 2152903 **Date: 04/12/2019**

Subject Name: Fabric Structure-I

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.

MARKS

Q.1	**(a)**	State the characteristics of twill weave.	03
	(b)	Draw design, draft and peg-plan of Barley corn weave.	04
	(c)	Explain different kinds of draft with its basic principle.	07
Q.2	**(a)**	Give only design, draft & peg plan for Irregular Satin on 6 x 6.	03
	(b)	Give design & denting of Devon's Huck a back.	04
	(c)	Construct diamond weave on 12x12 using diamond base.	07
		OR	
	(c)	Give Design, draft and peg-plan of following. 1. Irregular matt weave 2. Regular Weft Rib.	07
Q.3	**(a)**	Explain the term: 1. Design. 2. Draft 3. Peg-plan.	03
	(b)	Write the rules for selecting move no. of sateen/satin weave.	04
	(c)	Construct design, draft & peg plan for Brighton Honeycomb.	07
		OR	
Q.3	**(a)**	State the fabric characteristics of crepe weave.	03
	(b)	Draw design, draft and peg plan plain weave 10 X 10.	04
	(c)	Draw design, draft and peg plan of Transposed Twill.	07
Q.4	**(a)**	Give the classification of Bedford cords?	03
	(b)	Give design & denting of Mock-leno.	04
	(c)	With the help of design, draft and peg plan, explain how weft corkscrew weaves are constructed.	07
		OR	
Q.4	**(a)**	What are welt and pique structures?	03
	(b)	Construct only design of regular hopsack.	04
	(c)	Draw design draft peg plan and cross section of ordinary bed ford.	07
Q.5	**(a)**	Construct only design of elongated twill on 27°.	03
	(b)	Construct regular sateen on 10 x 10 with all the possible move numbers.	04
	(c)	Draw design, draft and peg plan of Broken Twill.	07
		OR	
Q.5	**(a)**	State the characteristics of Huck a back weave.	03
	(b)	With help of an example, explain Balanced and Unbalanced twill.	04
	(c)	State the different methods used to produce Crepe weaves. Give design of Crepe weave using any one method.	07

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