Seat No.: _____   **www.FirstRanker.com**   Enrolment No. **www.FirstRanker.com**

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER– VI (Old) EXAMINATION – WINTER 2019

Subject Code: 162902   **Date: 12/12/2019**

Subject Name: Advance Fabric Structure & Cad

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.**

Q.1	**(a)**	Give the classification of Double cloth. Construct design for self-stitched double cloth.	**07**
	(b)	Briefly explain steps of constructing jacquard design.	**07**
Q.2	**(a)**	Which fabrics are called Back cloth? Which weaves are suitable for weft back cloth? Why? Construction only design of weft back cloth.	**07**
	(b)	What are the characteristics of pile fabric? Construct design, draft and peg plan of twill back velveteen.	**07**
		OR	
	(b)	Draw design, draft, peg plan and cross section of corduroy.	**07**
Q.3	**(a)**	Draw design, draft and peg plan of warp back cloth.	**07**
	(b)	Draw design and cross section for center warp stitched.	**07**
		OR	
Q.3	**(a)**	Draw design, draft, peg plan and cross section of wire warp pile.	**07**
	(b)	Construct design and cross section of treble cloth.	**07**
Q.4	**(a)**	Draw only design for hairline effect and Hound's tooth effect.	**07**
	(b)	Draw design, draft and peg plan of Gauge leno weave.	**07**
		OR	
Q.4	**(a)**	With the help of neat sketch, explain positive easing mechanism used in leno weaving.	**07**
	(b)	Write a short not on Extra threads figuring weave.	**07**
Q.5	**(a)**	Write a note on Damask & Brocades.	**07**
	(b)	Draw design of stripes effect using stripe weave and simple wefting with compound warping.	**07**
		OR	
Q.5	**(a)**	Draw design, draft, peg plan and cross section of 3 pick and 4 pick terry weaves.	**07**
	(b)	Explain the steps for developing a dobby design using CAD software.	**07**

****