Seat No.:	Enrolment No
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## **GUJARAT TECHNOLOGICAL UNIVERSITY**

**BE - SEMESTER-VI (NEW) - EXAMINATION - SUMMER 2017** 

Subject Code: 2162906 Date: 03/05/2017

**Subject Name: Fabric Structure-II** 

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		Short Questions	14
V.1	1	Back cloth is not a compound fabric. (State true or false)	
	2	In interchanging double cloth layer is interchange from	
		Face to back and vice-versa. (State true or false)	
	3	Write the formula to find size of jacquard design.	
	4	Fabric production is in center weft double cloth	
		than center warp double cloth.	
	5	convention is used for weft back cloth.	
	6	State the function of Wadded yarn.	
	7	What do you mean by Compound weave fabric?	
	8	Illustrate top douping w.r.t leno weaving.	
	9	In a terry towel, the picks per inch are generally	
	10	What pattern is obtained if simple warping and	
		Compound wefting is used with simple weave?	
	11	Give one point of difference between Damask and	
		Brocade fabrics.	
	12	Box motion is necessary in extra figuring fabrics.	
	13	Name any one type of pile structure, which uses weft yarn as pile.	
	14	weave is a requirement for obtaining step pattern.	
<b>Q.2</b>	(a)	Construct only design of Self stitched double cloth.	03
	<b>(b)</b>	Give design of warp wadded double cloth.	04
	(c)	Construct design, draft and peg-plan for warp back cloth. <b>OR</b>	07
	<b>(c)</b>	Construct design, draft and peg-plan for weft back cloth.	07
Q.3	(a)	Explain the factors to be considered in the construction of double cloth.	03
	<b>(b)</b>	Give only design of weft back cloth with wadded warp.	04
	<b>(c)</b>	Construct design of centre weft stitched double cloth.	07
OR			
Q.3	(a)	Construct only design of interchanging double cloth.	03
	<b>(b)</b>	Construct only design of treble cloth.	04
	(c)	List out the steps to construct jacquard design. Hence explain how weave should be inserted in ground and foreground of jacquard	07
Q.4	(a)	design.  Construct any two simple colour and weave effects using 2 and 2 hopsack weave.	03
	<b>(b)</b>	Write a brief note on 'Brocade fabrics'.	04

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	(c)	Construct one design each of: 1. compound stripe effect	U7
		ii. Compound check effect.	
		OR	
Q.4	(a)	Give design, draft, denting order & cross-section for	03
		3 pick terry with both face and back pile.	
	<b>(b)</b>	Write a brief note on 'Tapestry Fabrics'.	04
	<b>(c)</b>	With the help of designs, explain how Terry checks are constructed.	07
Q.5	(a)	State the function of easing motions & jumper device in leno weaving.	03
	<b>(b)</b>	Explain the open normal & open abnormal sheds formed in leno weaving with a flat steel slotted doup.	04
	(c)	Compare Extra Warp Figuring with Extra Weft Figuring.	07
	` '	OR	
Q.5	(a)	Give any three methods of removal of surplus extra figuring threads.	03
	<b>(b)</b>	Write a brief note on 'Russian Cord'.	04
	(c)	Give the classification of pile fabric. Construct design & cross-section of twill back velveteen with fast pile anchorage.	07

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