Seat No.: _____ **Enrolment No._____**

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER–IV (NEW) - EXAMINATION – SUMMER 2017

Subject Code: 2142902 **Date: 08/06/2017**

Subject Name: Weaving Technology-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		**Short Questions**	**14**
	1	What is single end sizing.	
	2	Why we go for sectional warping machine?	
	3	Draw the sketch of open wind and close wind packages.	
	4	Write the function of deliquescent.	
	5	Name the different types of knots.	
	6	Mention principles of splicing.	
	7	List the name of sizing ingredients.	
	8	What is angle of cone?	
	9	Write function of antiseptics.	
	10	Name the defects of cones.	
	11	Write formula for calculating the production of warping machine.	
	12	Define the term “Denting”.	
	13	Define the term “Spice”.	
	14	What is bunch formation in pirn?	
Q.2	**(a)**	What are the objects of yarn tensioning device?	**03**
	(b)	Mention the flow chart of yarn preparatory department.	**04**
	(c)	Explain passage of yarn through drum winding machine with neat sketch.	**07**
		OR	
	(c)	Write short note on quality of knot.	**07**
Q.3	**(a)**	Draw the sketch of modern size box.	**03**
	(b)	Write objects of warping.	**04**
	(c)	Explain with a neat sketch the passage of yarn through multi cylinder sizing machine.	**07**
		OR	
Q.3	**(a)**	Write objects of winding.	**03**
	(b)	Explain in brief magazine creel.	**04**
	(c)	Explain the passage of material through pirn winding machine with neat sketch.	**07**
Q.4	**(a)**	Write function of antifoaming agents.	**03**
	(b)	State the advantages of rewound weft.	**04**
	(c)	Explain different types of sizing.	**07**
		OR	
Q.4	**(a)**	Write characteristics of spliced yarn.	**03**
	(b)	Write classification of warping machine.	**04**
	(c)	Explain in detail electrical size level control device.	**07**
Q.5	**(a)**	Write short note on foam sizing.	**03**
	(b)	What is knot factor and retained splice strength?	**04**
	(c)	Write short note on yarn clearer.	**07**
		OR	
Q.5	**(a)**	Write objects of splicing.	**03**
	(b)	Give classification of yarn clearer.	**04**
	(c)	Write comparison of knotted and spliced yarn.	**07**

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