Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER–IV(New) • EXAMINATION – WINTER 2016

Subject Code:2142902 **Date:23/11/2016**

Subject Name:Weaving Technology-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		**Short Questions**	**14**
	1	Write the function of softeners.	
	2	What is splicing?	
	3	Define the term "Drawing – in".	
	4	What is angle of cone?	
	5	List the various control devices available in latest sizing machine.	
	6	What is denting?	
	7	Define the term Number of winds for winding process.	
	8	Write formula for calculating the production of winding machine.	
	9	Write function of antiseptics.	
	10	State principles of splicing.	
	11	State the types of weft pirn.	
	12	Why bunch is provided in the pirn?	
	13	State the names of defects of cones, cheese and spools.	
	14	Mention types of creel used in warping.	
Q.2	**(a)**	Write objects of winding.	**03**
	(b)	Give classification of yarn clearer.	**04**
	(c)	Write comparison between precision and drum winders.	**07**
		OR	
	(c)	Write short note on types of tensioners.	**07**
Q.3	**(a)**	Write objects of splicing.	**03**
	(b)	Write objects of warping.	**04**
	(c)	Explain passage of material through ordinary warping machine with diagram.	**07**
		OR	
Q.3	**(a)**	Draw the sketch of different types of knots.	**03**
	(b)	Write advantages of splicing.	**04**
	(c)	Explain electronic yarn clearer.	**07**
Q.4	**(a)**	Write function of antifoaming agents.	**03**
	(b)	State the advantages of rewound weft.	**04**
	(c)	Explain the passage of material through pirn winding machine with suitable diagram.	**07**
		OR	
Q.4	**(a)**	Draw the sketch of conventional size box.	**03**
	(b)	Write classification of warping machine.	**04**
	(c)	Discuss on types of sizing.	**07**
Q.5	**(a)**	List the name of sizing ingredients.	**03**
	(b)	Explain in brief magazine creel.	**04**
	(c)	Explain passage of yarn through drum winding machine with neat sketch.	**07**
		OR	
Q.5	**(a)**	Write the methods of drying.	**03**
	(b)	Write objects of sizing.	**04**
	(c)	Explain with a neat sketch passage of yarn through two cylinder slasher sizing machine.	**07**

****