

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-IV (NEW) EXAMINATION – WINTER 2018****Subject Code:2142902****Date:10/12/2018****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	(a) State the objects of warping.	03
	(b) Write a note on electronic yarn clearer.	04
	(c) Give advantages of rewound weft.	07
Q.2	(a) State the objects of sizing.	03
	(b) Describe in detail about the different drawing –in methods.	04
	(c) Write a detail note on Ruti automatic size box.	07
	OR	
	(c) Explain construction & working of Measuring and self-stopping motion.	07
Q.3	(a) Write a note on- Balloon breakers.	03
	(b) Explain the different types of winding packages.	04
	(c) Give the salient features of Super speed beam warping machine.	07
	OR	
Q.3	(a) Briefly explain Washer type yarn tensioning device.	03
	(b) Explain the role of binders and diluents as size ingredients.	04
	(c) Write a detail note on Pressure cooker.	07
Q.4	(a) What is “ stretch percentage” at sizing?	03
	(b) Discuss about the methods of weft preparation	04
	(c) Draw a neat sketch of warp yarn through multi-cylinder sizing machine and explain the function of Float, Squeezing roller & Immersion roller.	07
	OR	
Q.4	(a) Explain Disc type yarn tensioning device.	03
	(b) Give the comparison between direct and sectional beam warping .	04
	(c) Discuss about package build on drum driven machine.	07
Q.5	(a) Write a note magazine type warping creel.	03
	(b) How one can carry out filament sizing ?	04
	(c) Explain Doffing and Donning arrangements at warping machine.	07
	OR	
Q.5	(a) Briefly explain Gate type yarn tensioning device.	03
	(b) Discuss about any one sizing creel.	04
	(c) Write a detail note on Injection cooker.	07
