

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER– IV (New) EXAMINATION – WINTER 2019****Subject Code: 2142902****Date: 14/12/2019****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	(a) What are the objects of warping?	03
	(b) How the EYC (electronic yarn clearer) works ?	04
	(c) How the package is build on drum driven machine ?	07
Q.2	(a) Write a note on- Balloon breakers.	03
	(b) What are the advantages of rewound weft?	04
	(c) Write in detail about the different drawing –in methods.	07
OR		
	(c) How the Shirley automatic size box works?	07
Q.3	(a) What it means by “stretch percentage” at sizing?	03
	(b) How much different types of winding packages can be prepared ?	04
	(c) Give the salient features of Super speed beam warping machine.	07
OR		
Q.3	(a) Briefly explain Gate type yarn tensioning device.	03
	(b) What is the role of binders and softners as size ingredients ?	04
	(c) Write a detail note on Injection cooking method.	07
Q.4	(a) What is the difference between size pick-up and size add-on?	03
	(b) Which are 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 & Immersion roller.	07
OR		
Q.4	(a) Write a note on- Disc type yarn tensioning device.	03
	(b) Give the comparison between direct and sectional beam warping .	04
	(c) Write a detail note on Ruti automatic size box.	07
Q.5	(a) Write a note on any one 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 Washer type yarn tensioning device.	03
	(b) Give the objects of sizing process.	04
	(c) Write a detail note on Pressure cooker.	07
