

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

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

Subject Code: 2142806

Date: 26/05/2017

Subject Name: Textile Manufacturing - 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
	1 Define - Shed.	
	2 State full name of EPI.	
	3 The process for interlacement of warp and weft is known as _____.	
	4 Define - Shuttle.	
	5 _____ process apply protective layer on yarn.	
	6 In knitted fabric, the horizontal row is known as _____.	
	7 In knitted fabric, the vertical row is known as _____.	
	8 Beam warping is practiced for grey or mono colored warps of very _____ lengths.	
	9 Define - Warp.	
	10 Define - Weft.	
	11 Define - Nonwoven fabric.	
	12 _____ refers to the order of interlacing of the warp and weft.	
	13 Define – Seam.	
	14 Picking is mechanism of Knitting. – True or False?	
Q.2	(a) Give classification of Weaving machines.	03
	(b) Explain passage of material in Plain power loom.	04
	(c) Discuss primary, secondary and auxiliary motions of Plain power loom.	07
	OR	
	(c) Explain in detail about Pirn winding system.	07
Q.3	(a) Discuss different Types of Weaves.	03
	(b) Explain Mechanical stop motion of warping process.	04
	(c) Explain in detail about sizing ingredients and preparation of Size paste.	07
	OR	
Q.3	(a) With neat sketch, show Climax dobby.	03
	(b) Write brief note on Jacquard.	04
	(c) State various methods for production of Nonwovens and explain any one in detail.	07
Q.4	(a) Explain in detail about (i) Swivel Creel & (ii) Magazine Creel.	03
	(b) Show passage of material in Slow speed beam warping machine.	04
	(c) Explain in detail about Sectional warping.	07

OR

- Q.4** (a) Explain “Size Box”. **03**
(b) State different creels used in Sizing. Explain any one in detail. **04**
(c) With neat sketch, explain Multi cylinder sizing process. **07**

- Q.5** (a) State features of Super high speed beam warping. **03**
(b) Explain Air jet weft insertion system. **04**
(c) Discuss about (i) Warp Knitting & (ii) Weft Knitting. **07**

OR

- Q.5** (a) Write short note on “Marker Planning”. **03**
(b) Explain Rapier weft insertion system. **04**
(c) Write brief note on – (i) Spreading & (ii) Cutting. **07**
