GUJARAT TECHNOLOGICAL UNIVERSITY BE- IVth SEMESTER-EXAMINATION – MAY/IUNE- 2012

BE- IV^m SEMESTER-EXAMINATION – MAY/JUNE- 2012			
Subject code: 142803 Date: 29/0			/05/2012
Subject Name: Yarn Preparation & Weaving			
Time: 10:30 am – 01:00 pm Total Marks			larks: 70
Instructions:			
1. Attempt all questions.			
2. Make suitable assumptions wherever necessary.			
		ires to the right indicate full marks.	
Q.1	(a)	Draw a neat labeled diagram of passage of material on plain power	r 10
		loom and explain working of loom briefly.	
	(b)	Explain different types of sheds briefly.	04
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Q.2	(a)	Describe Precision winding briefly.	07 07
	(b)	What is the function of yarn clearer?	07
		Describe different types of yarn clearers briefly. OR	
	(b)	Describe modern developments in winding machines.	07
	(0)	Describe modern developments in winding machines.	07
Q.3	(a)	Describe ordinary pirn winding machine with neat sketch.	07
X	(b)	Describe conventional warping machine with neat sketch.	07
	()	OR	
Q.3	(a)	Describe features of modern pirn winding machine.	07
	(b)	Describe sectional warping briefly.	07
Q.4	(a)	List out various sizing ingredients used for preparing size paste briefly	v 07
		along with their function.	
	(b)	Describe cone under pick mechanism with neat sketch.	07
<u> </u>		OR	~-
Q.4	(a)	Describe two cylinder sizing machine with suitable sketch.	07
	(b)	Describe beat up mechanism with neat sketch.	07
05	(a)	Describe working of single lift single cylinder isocourt with new	t 07
Q.5	(a)	Describe working of single lift single cylinder jacquard with nea sketch.	U 1
	(b)	Describe False twist texturising with neat sketch.	07
	(0)	OR	07
Q.5	(a)	Describe seven wheel take up motion with neat sketch.	07
¥	(b)	Describe working of climax dobby with neat sketch.	07
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