Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

Date:27/05/2016

BE - SEMESTER-III EXAMINATION - SUMMER 2016

Subject Code:132902

Tiı	me: 1 tructio 1. 2.	Name: Yarn Manufacturing-I 0:30 AM to 01:00 PM Total Marks: 7 ons: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	70
Q.1	(a) (b)	What is Ginning? Show process flow-chart of Modern ginning operation. Explain construction and working of Knife roller ginning machine.	07 07
Q.2	(a) (b)	Discuss various feeding and opening devices of blowroom line. Explain working of Step Cleaner with neat sketch. OR	07 07
	(b)	Discuss Automatic bale opening machine.	07
Q.3	(a) (b)	Explain construction and working of any modern mixing machine. Describe briefly how lap is formed on Scutcher along with important stages of Automatic lap doffing.	07 07
		OR	
Q.3	(a) (b)	Discuss different lap defects and their remedial measures at blow room. Discuss various factors to be considered while processing manmade fibers in blow room.	07 07
Q.4	(a)	Describe the Piano Feed Regulating mechanism on Scutcher to control evenness of lap briefly.	07
	(b)	Explain objects of carding. Also discuss about Tandem Card. OR	07
Q.4	(a) (b)	Explain features of Modern Card. What is importance of grinding for card clothing? Hence explain any one type of grinding roller with neat sketch.	07 07
Q.5	(a)	Give the classification of Chute feed system. Hence explain any one chute feed system with neat sketch.	07
	(b)	Explain transfer of fibres from licker-in to cylinder and cylinder to doffer. OR	07
Q.5	(a)	What is autoleveller? Explain close loop and open loop principle in autoleveller with neat sketch.	07
	(b)	Explain in detail about Flexible card clothing.	07
