Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER- I (New course) • REMEDIAL EXAMINATION – SUMMER 2015

	•	Code: 2712502 Date:14/05/20	15
Tin	ne: 1 tructio 1.	Attempt all questions.	
		Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1		Discuss design modifications made in licker-in, cylinder and flat wire in high speed production card.	14
Q.2	(a)	Which design modifications were done in rotor spinning to produce better quality yarn?	07
	(b)	Compare hopper weighing system with metered weighing system of blending machine in blow room.	07
	a)	OR	07
	(b)	With neat sketch explain working of dedusting devices in blowroom.	07
Q.3		Why condensed spun yarn is better than ring spun yarn? Discuss any three design modification at ring frame done for condensed spun yarn. OR	14
Q.3		In detail describe the use of robotics for monitoring, piecing, cleaning and transportation of material on a ring frame.	14
Q.4	(a)	What are the modifications made in the drafting system of a high speed draw frame for better yarn quality?	07
	(b)	In modern blow room which steps are taken to improve blending uniformity? Discuss it elaborately.	07
		OR	
Q.4	(a) (b)	Describe different effect of automations in design of textile spinning line. What are advantages of carding segments in modern card for high production?	07 07
Q.5	(a)	Which lap preparation sequence gives maximum batt strength and cohesion in comber? Explain.	07
	(b)	Discuss working of zone IV machines in blow room with objects. OR	07
Q.5	(a)	Explain the concentric nipper movement made on comber for heavy lap feed requirement.	07
	(b)	How modern comber give better fibre selectivity with optimum noil%?	07
