Seat No.:	Enrolment No
-----------	--------------

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER- IV(NEW) EXAMINATION - SUMMER 2015

Subj	ect (Code: 2142901 Date:01/06/20	15
Subi	ect N	Name: Yarn Manufacturing - II	
•	e: 10	:30am-1.00pm Total Marks:	70
	1.	Attempt all questions.	
		Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	
Q.1	(a)	What are the objects of Draw frame? Discuss operating principle of Draw frame with suitable diagram.	07
	(b)	•	07
Q.2	(a)	Explain different drafting arrangements of Draw frame.	07
	(b)	Discuss Theory of Drafting briefly with neat sketch.	07
		OR	
	(b)	What is the role of Autoleveller at Draw Frame? Describe different types of Autolevellers briefly.	07
Q.3	(a)	What are the objects of Comber? Show passage of material in Comber.	07
	(b)	Discuss sequence of operations in comber with suitable diagram. OR	07
Q.3	(a)	Write short note on – The nipper assembly of comber.	07
	(b)	Discuss influence of machine components and settings on combing.	07
Q.4	(a)	Explain in brief about parameters influencing the combing operation.	07
	(b)	Discuss noil theory of Gegauff for Forward feed.	07
		OR	
Q.4	(a)	Explain Sliver Lap machine in detail.	07
	(b)	Write short note on – Spindle and Flyer of Roving Frame.	07
Q.5	(a)	What are the objects of Speed frame? With neat sketch, explain passage of material in Speed frame.	07
	(b)	Write in brief about automation of Speed frame.	07
		OR	
Q.5	(a)	Describe objects, construction and working of Differential motion.	07
	(b)	With a neat sketch, describe any one Builder mechanism used in speed frame.	07
