Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

B. E. - SEMESTER - IV • EXAMINATION - WINTER 2012

Subj	ect	code: 142901 Date: 27/12/20	012
Subj	ect :	Name: Yarn Manufacturing - II	
Time	e: 02	2.30 pm - 05.00 pm Total Marks:	70
Instr	cuct	tions:	
	2.	Attempt any five questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	What is combing? What are the objects of comber machine? Why combing process is important in spinning department?	07
	(b)	What are the objectives of Draw frame and Speed frame? Explain in brief.	07
Q.2	(a)	Discuss the combing cycle of any combing machine.	07
	(b)	Compare forward feed and backward feed comber briefly. OR	07
	(b)	Discuss various developments in loading arrangement at draw frame.	07
Q.3	(a)	Describe the influence of machine components and settings on Combing performance.	07
	(b)	How to find out the noil percentage of given comber machine and explain comber waste extraction system	07
		OR	
Q.3	(a)	Describe various types of gauges used for carrying out settings of comber.	07
	(b)	Write on the modern developments in Combing.	07
Q.4	(a)	What is autoleveller? Explain working of autoleveller draw frame with its types.	07
	(b)	Discuss the factors affecting drafting force. OR	07
Q.4	(a)		07
	(b)	Describe briefly construction of modern top rollers and bottom rollers at draw frame.	07
Q.5	(a)	Explain the function of following parts with diagram of speed frame machine in briefly:	07
		(i) condenser (ii) spacer (iii) Apron (iv) Flyer	
	(b)	their advantages and disadvantages.	07
0.5	(-)	OR Write the chiests of huilder machenism and explain heavete obtain all	07
Q.5	(a)	Write the objects of builder mechanism and explain how to obtain all these objects on speed frame machine?	07
	(b)	v i	07
