Seat No.: _		Enrolment No
	<b>GUJARAT T</b>	ECHNOLOGICAL UNIVERSITY

## BE - SEMESTER-IV(New) • EXAMINATION - WINTER 2016

Subject Code:2142901 Date:22/11/2016

Subject Name: Yarn Manufacturing - II

Time:02:30 PM to 05:00 PM Total Marks: 70

**Instructions:** 

- 1. Attempt all questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

			MARKS		
Q.1		Short Questions	14		
•	1				
	2	Generally, loop type autoleveller is preferred for Draw			
		frame machine. (Open / Close)			
	3	Pressure bar is used to control fibers in draw frame.			
		(short/ long/crimped)			
	4	Combing process removes fibers. (long/ short/			
	_	crimped)			
	5	Combing process is efficient to removehooks.			
	6	Flyer lead type of winding is preferable for winding of cotton roving. (True or False)			
	7	The cleanness of the combed sliver with feed lap			
		thickness. (increases/ decreases)			
	8	The number of comber lap preparatory processes between card and the comber should			
	9	The spindle top inserts are used in roving frames to introduce			
		in the			
	10	Power consumption is lower in case of leading roving			
		frame.			
	11	Bottom rollers in draw frame are rollers. (synthetic/metallic/square)			
	12	• '			
	12	(gear/ chain/frictional)			
	13				
		during the combing cycle. (intermittently/ continuously/ both side)			
	14				
		(dead weight/ spring/ magnet)			
Q.2	(a)	Explain the following word: a) Drafting			
		b) Doubling			
	<b>(b)</b>	Write short note on Top Roller of Draw Frame.	04 07		
	<b>(c)</b>				
		frame.			
OR (c) Write short note on Drafting wave. Also suggest steps to control the 0					
	(•)	problem.			
Q.3	(a)	What is the Object of draw frame?	03		
~··	(b)	Explain in briefly: Roller nip movement.	04		
	( - )	1			

	(c)	Explain working of Open loop and Close loop autoleveller of draw frame.		
		OR		
<b>Q.3</b>	(a)	Write object of comber.	03	
	<b>(b)</b>	Write short note on Combing Cylinder.	04	
	(c)	With neat sketch explain Forward feed and Backword Feed in Comber.	07	
<b>Q.4</b>	(a)	Discuss the object of speed frame.	03	
	<b>(b)</b>	Discuss the various Types of Flyers.	04	
	<b>(c)</b>	Explain in detail influence of feed stock in Combing.	07	
		OR		
Q.4	(a)	Explain Top Comb of Comber.	03	
	<b>(b)</b>	Explain the Passage of Comber.	04	
	<b>(c)</b>	Explain the Ribbon Lap Machine in Detail.	07	
Q.5	(a)	Define the term: Condenser.	03	
	<b>(b)</b>	Explain the Passage of Speed Frame.	04	
	<b>(c)</b>	Write Shot note on Modern Development in Comber.	07	
		OR		
Q.5 (a)	(a)	Write Short note on Modern Development on Speed frame.	03	
	<b>(b)</b>	Explain the Nipper Assembly in Comber Machine.	04	
	(c)	Explain the Flyer Top in Speed Frame.	07	

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