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BE - SEMESTER-IV (NEW) EXAMINATION – WINT Subject Code: 2142901 Subject Name: Yarn Manufacturing - II Time: 02:30 PM TO 05:00 PM Instructions: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary.	Date: 05/12/2018 Total Marks: 70
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2. Make suitable assumptions wherever necessary.	
3. Figures to the right indicate full marks.	
5. Figures to the right indicate run marks.	MARKS
Q.1 (A) What Is The Objects Of Draw Frame?	3
With Neat Sketch Explain The Passage Of Material	On Draw Frame
(B) Machine.	4
(C) Explain The Sequence Of Operation In A Rectilinear Cor	mber. 7
Write Down The Formula To Calculate The Production C	Of Draw Frame In 3
Q.2 (A) $\frac{1}{\text{Kgs/Shift.}}$	5
(B) What Is Bobbin Lead And Flyer Lead. Discuss	4
Mention Various Types Of Drafting System Used In Dra	
(C) Suitable Diagram Explain The 3 Over 3 Roller Drafting Draw Frame.	g System Used In 7
OR	
(C) Explain Various Comber Settings.	7
Q.3 (A) Briefly Explain Suction System For Drafting Arrangement	nt In Drawframe 3
(B) Which Parameters Are Influence In The Feed Stock On C	•
(C) Write Short Note On Drafting Wave. Also Suggest Step	s To Control The 7
OR OR	
Q.3 (A) Why Even Number Of Machines Are Used Between Card(B) Discuss The Latest Developments On A Drawframe Mac	
(B) Discuss The Latest Developments On A Drawframe Mac Write Short Note On 1) Open Loop Autoleveller	
(C) Autoleveller.	2) Close Loop 7
, sh	
Q.4 (A) What Is Forward Feed And Backward Feed In Comber.	3
(B) Explain The Working Of Autoleveller On Drawframe.	4
(C) Write A Short Note On Modern Lap Preparation Systems	s. 7
OR	
Q.4 (A) Enlist Object Of Speedframe	3
Calculate Speed Frame Production In Pound/Shift/Spindl	e And Draft
From Following Data:	
Flyer Speed: 1200rpm	
Flyer Speed: 1200rpm Sliver Hank: 0.16	Λ
(B) Sliver Hank: 0.16 Roving Hank: 2	4
(B) Sliver Hank: 0.16 Roving Hank: 2 T.M: 1.2	4
(B) Sliver Hank: 0.16 Roving Hank: 2	4

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Q.5	(A)	Write The Function Of The Following Elements Used In Roving Frame: 1) Spacer; 2) Condenser; 3) Flyer Tops	3
	(B)	Calculate Comber Production In Kg/Day/Machine From The Following Data: Type Of Feed: Backward. Feed/Nip 6 Mm Waste Percentage:16 Comber Speed: 425 Nips/Min Comber Lap Hank :- 0.0125 Efficiency: 88%	4
	(C)	Maximum Fiber Length (Fm): 40mm Discuss The Various Parameters Influencing Combing Operation. OR	7
Q.5	(A)	Write The Function Of Pressure Bar Used In Drafting System Of Draw Frame Machine.	3
	(B)	Write On The Latest Developments In The Speedframe Machine.	4
	(C)	Explain Passage Of Material On Super Lap Former.	7

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