22366

	3124 Ho		70	Marks	Seat	No.								
	Instru	ctions –	(1)	All Questions	s are Comp	ulsory	y.							
			(2)	Answer each	next main	Ques	stio	n c	on a	a ne	ew	pag	e.	
			(3)	Illustrate you: necessary.	r answers v	with 1	nea	t sl	ketc	hes	wł	nere	ever	
			(4)	Figures to the	e right indi	cate	full	l m	ark	s.				
			(5)	Assume suita	ble data, if	nece	essa	ry.						
			(6)	Mobile Phone Communication Examination	on devices									
													Ma	rks
1.		Attempt	any	<u>FIVE</u> of the	following:									10
	a)	State the	e nee	d of warping	process.									
	b)	Classify	the	warping proces	SS.									
	c)	State the	e nee	d of tensioner	s in warpir	ng pro	oce	SS.						
	d)	State the	e fun	ctions of secti	on drum.									
	e)	State the	e fun	ctions of sque	eze roller a	and si	ize	rol	ller.					
	f)	State the	e con	cept of stretch	1.									
	g)	State the	e con	cept of lapper	S.									
2.		Attempt	any	THREE of t	the followin	ng:								12
	a)	Draw di textile in	-	ns of different ry.	types of v	windin	ng	pac	kag	ge u	ised	l in		
	1 \	D '1	• .1	1 . 1	C	.1	1	1.						

- b) Describe with sketch passage of yarn through direct warping machine
- c) Describe with sketch salient feature of V-creel.
- d) Explain with sketch two cylinder sizing process. P.T.O.

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3. Attempt any <u>THREE</u> of the following:

- a) List the merits and demerits of over and unwinding package and side unwinding package.
- b) List various types of creel used for warping and state its merits and demerits.
- c) Describe the functions of expanding comb with sketch.
- d) Determine the no. of sections and section width, if weavers beam contains 7000 ends with beam width of 60 inch. The beam is processed on 800 creel capacity machine.

4. Attempt any <u>THREE</u> of the following:

- a) Calculate the production of a warping machine in yards and kgs from following data.
 - i) Number of cones on creel 520
 - ii) Warping speed = 600 yards/min
 - iii) Warping efficiency = 60%
 - iv) Count of yarn = 30° Ne
- b) Discuss the selection criteria for selecting the relevant warping process for different types of yarns.
- c) List the merits and demerits of two cylinder sizing machine.
- d) List the various size paste ingredients with its role in sizing process.
- e) State the importance of following parts on sizing machine
 - i) marking and measuring device
 - ii) Expanding comb
 - iii) Drag roller
 - iv) Lease rods

5.

6.

Attempt any <u>TWO</u> of the following:
a) State the importance of leasing and describe the step by step process of leasing on sectional warping.
b) Describe with sketch the pressure cooker of size paste preparation.
c) Draw splitting and leasing arrangement used for 8 creel beams.
Attempt any <u>TWO</u> of the following:
a) Describe with sketch the schematic figure of modern size box.

- b) Describe with sketch the method to determine the migration in sizing process.
- c) i) Define following term
 - (1) Size pick up
 - (2) Size add-on
 - ii) State the significance of stretch on performance of subsequent process.

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