# 22580

_	3124 Ho	_	70	Marks	Seat	No.							
Instructions –		(1)	All Questions are Compulsory.										
			(2)	Answer each	next main	Questic	on o	n a	a ne	ew	pag	e.	
			(3)	Illustrate your necessary.	r answers	with nea	at sk	cetc	hes	wł	nere	ver	
			(4)	Figures to the	e right ind	icate ful	ll m	ark	s.				
			(5)	Assume suitable data, if necessary.									
			(6)	Use of Non-J Calculator is	-		tron	ic 1	Poc	ket			
			(7)	Mobile Phone Communication Examination	on devices	-							
											]	Ma	rks
1.	Attempt any <u>FIVE</u> of the following :										10		
	a)	State the diameter of merino wool fibre in microns.											
	b)	b) State the object of worsted carding.											
	c)	c) Write any four applications of Jute yarn.											
	d)	d) State the method and importance of silk degumming.											
	e)	e) Define index of blend irregularity.											
	f)	State the	e imp	ortance of spi	in finish gi	ven to	the	fibr	es.				

g) Give the process flow chats for polyester / cotton blended yarn.

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2.

Attempt any THREE of the following :

#### Marks

## a) Draw the sketch of worsted carding machine and label the parts. b) Give flow chart for producing linen yarn. c) List any four types of silk yarns and give their applications. Explain the changes to be made in Blow Room while processing d) blends of cotton and man made fibres. 3. Attempt any THREE of the following : 12 a) Draw the flow chart for worsted spinning. b) Draw the sketch of rectilinear comber used in worsted spinning and label the parts. c) Draw the sketch of gilling machine and label the parts. d) Give the flow chart for Jute yarn manufacturing. 4. Attempt any THREE of the following : 12

- a) State the flow chart of silk yarn manufacturing from cocoon.
- b) Describe the method of cultivation of cocoon.
- c) Describe life cycle of silk worm with flow diagram.
- d) State the importance of acclimatization of fibres and tinting of fibre before blending.
- e) Explain the criteria for selection of blend constituents.

### Attempt any TWO of the following : 5. a) Explain various methods of blending at Blow Room. b) State the advantages and disadvantages of blending of cotton and polyester sliver at draw frame. List the changes to be made at Ringframe for processing c) of blends. Attempt any TWO of the following : 6. 12 a) Elaborate process parameters and machine parameters for blending wool and acrylic fibers on worsted spinning system.

- b) State any six properties of wool-polyster blended yarn.
- Suggest processing and machine parameters for wool and c) polyester blended yarn.

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