22580

22223													
3	Ho	ours	/ 70	Marks	Seat	No.							
	Instru	ections -	- (1) (2) (3) (4) (5)	All Questions Answer each Illustrate you necessary. Figures to the Mobile Phone Communication	s are <i>Comp</i> next main r answers e right ind e, Pager an on devices Hall.	<i>pulsory.</i> Questi with ne icate fu id any are no	on c at sl ill m other t per	on a ketc aarks r El rmis	ne hes s. lectu	w j wh coni e ii	pag nere c	e. ver	
]	Mai	rks
1.		Attem	pt any	<u>FIVE</u> of the	following	•							10
	a)	State the staple length and micron of top quality merino wool to produce 60^{s} Nm worsted yarn.											
	b)	State t	wo dif	ferences betwe	een jute an	d linen	fibr	es.					
	c)	Name	the sil	k which is kn	own as 'go	olden s	ilk' t	fibre	e.				
	d)	State d viscose	lensity fibres	(glcc) and sta	andard rega	in % c	of po	lyes	ster	and	d		
	e)	State one major fault in P/V blended yarns with reasons for the same.											
	f)	State t Blow 1	he lap room.	weight and li	near densit	y of 1	00%	acr	ylic	laj	p ir	1	
	g)	State t	wo ma	ijor features of	f worsted p	process.							
2.		Attem	pt any	THREE of t	the followi	ng:							12
	a)	Classif	y Woo	l fibres based	on sheep	breed.							

- b) List various jute retting process and describe any one retting process of jute.
- c) Describe silk degumming process for mulberry cocoons with sketch.
- d) State the changes to be made on cotton blow room to process 100% viscose fibres justifying the changes suggested.

3. Attempt any THREE of the following: 12 a) Draw worsted card and label the parts. b) Describe grilling process to produce woolen tops. c) Compare woolen process with wasted process in terms of fibre characteristics and process sequences. Draw Noble comb (Circular comber) to remove noil from worsted d) silvers and label the parts. 4. Attempt any THREE of the following: 12 a) Select reeling process to produce mulberry silk filaments to produce 80 Denier yarn. b) Sericulture is backbone of silk industry. Justify the statement. c) Describe spun silk manufacturing process. d) State the advantages of blended yarns. Identify the objectives of wool and acrylic blending. e) 5. Attempt any TWO of the following: a) How does stress / strain curve, regain % and fibre fineness influence the blended yarn characteristics of PV blended yarns. b) Identify the changes to be made on carding to process 100% acrylic 3.0 Den 42 mm staple fibre on cotton cards. Why wool is blended with Viscose? State the machine c) parameters of Ring frame to produce 80:20 54 mm wool

6. Attempt any TWO of the following:

and viscose blended varns.

- Describe machine parameters of Ring frame to process wool : a) polyester (20:80) blended yarns. State the properties of the yarns to produce.
- b) Compare properties of wool : polyester yarns with wool : viscose blended yarns.
- Compare advantages of fleece blending with silver blending of c) polyester / cotton blends.

12

12