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A

Maximum: 100 marks

				Time: 1 hour and 15 minute
1.	Which is DuPont in	20 BOO CONTROL	by Wa	llace Carothers at the chemical firm
	(A)	Polyester	(B)	Nylon
	(C)	Acrylic	(D)	Polyolefin
2.		ratio of the actual vapour pressure ure expressed as a percentage :	to the	saturated vapor pressure at the same
	(A)	Relative humidity	(B)	Absolute humidity
	(C)	Moisture content	(D)	Moisture Regain
3.	The stand	lard regain value of wool is:		
	(A)	17%	(B)	7%
	(C)	70%	(D)	0.7%
1.	It is an a (68 ± 4 ºF		of 65 :	\pm 2% and a temperature of 20 \pm 2 $^{\circ}$
	(A)	Standard atmospheric condition	(B)	Standard atmosphere
	(C)	Standard condition of atmosphere	(D)	Standard Testing atmosphere
5.	Select the	Bale Plucker from the following:		
	(A)	L/R RSB 851	(B)	L/R Aero feed
	(C)	Blendomat-BDT	(D)	Multi mixer
6.	Piano feed	d regulating motion is found in:		
	(A)	Carding engine	(B)	Draw frame
	(0)	DI	(T))	C1 C

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7. Fabrics made with inter looping of yarns - most suitable term is :			le term is :	
	(A)	Woven fabrics	(B)	Net fabric
	(C)	Lace fabric	(D)	Knitted fabrics
8.	Beating-u	p in a power loom come under	:	
	(A)	Secondary motion	(B)	Primary motion
	(C)	Tertiary motion	(D)	Auxiliary motion
9.	It is also l	known as artificial silk :		
	(A)	Nylon	(B)	Acetate rayon
	(C)	Orlon	(D)	Viscose rayon
10.	The colou	r of leuco compound of Vat bla	ck is:	
	(A)	Black	(B)	Brown
	(C)	Green	(D)	Violet
11.	The resul	t of fiber fineness test is found	to be 6.0 MV.	The fiber can be rated as:
	(A)	Coarse fiber	(B)	Very fine fiber
	(C)	Medium fine fiber	(D)	Fine fiber
12.	In Digital	Fibrograph, fiber length is ex	pressed in :	
	(A)	Mean length	(B)	Modal length
	(C)	Span length	(D)	Effective length
13.	Removal	of short fiber is the main objec	t of:	
	(A)	Combing process	(B)	Carding process
	(C)	Blow room process	(D)	Drawing process
14.	Ring fram	e Top roller nip load can be m	easured by :	
	(A)	ATIRA Nilometer	(B)	Stroboscope
	(C)	ATIRA TARP Gauge	(D)	Stelometer
15.	Suitable (Gin for processing long stapled	cotton is:	
	(A)	Knife roller Gin	(B)	Macarthy Gin
	(C)	Saw knife Gin	(D)	Saw Gin
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16.	It is an exa	ample of Semi fast gripped feedir	ng saw tooth	Beater/opener:
	(A)	Porcupine opener	(B)	Shirley opener
	(C)	Crighton opener	(D)	Krischner's beater
17.	Lakshmi l	Reiter Polar drafting is a :		
	(A)	3-over-5 roller drafting system	(B)	5-over-3 roller drafting system
	(C)	3-over-4 roller drafting system	(D)	4-over-3 roller drafting system
18.	Shore har	dness of top roller cots of ring fra	ame ranges :	
	(A)	30° to 60°	(B)	60° to 90°
	(C)	20° to 50°	(D)	10° to 40°
19.	Function	of this part in the card is to alter	setting betw	veen flats and cylinder:
	(A)	Cylinder Arch	(B)	Concentric bends
	(C)	Flexible bends	(D)	Front plate
20.	Cross roll	Verga unit in card is a:		
	(A)	Carding device	(B)	Feeding device
	(C)	Pre carding device	(D)	Doffing device
21.	In a steer	twill the angle of twill line is:		
	(A)	45°	(B)	Below 45°
	(C)	Less than 30°	(D)	More than 45°
22.	It is an e	xample of broken and reverse tw	ill fabric str	ucture :
22.	(A)		(B)	Satin weave
	(C)	C. C	(D)	Sateen weave
99	It is a fa	bric structure which is a modific	ation of plair	ı weave :
23.	(A)	And the state of t	(B)	1
	(C)	/ ESE 523	(D)	Satin weave
75.014	1000	oty space run lengthwise through	the centre of	of the cotton fiber is termed as:
24.			(B)	
	(A)		(D)	00000000000000000000000000000000000000
A	(C) Primary wall	5	100/2014 [P.T.O.]

25.	Bast fiber	rs are extracted by this process :		
	(A)	Shearing	(B)	Retting
	(C)	Ginning	(D)	Croissure
26.	In this sh	edding the warp is only moved v	vhen the pat	tern requires a change of position :
	(A)	Centre closed shedding	(B)	Bottom closed shedding
100	(C)	Top closed shedding	(D)	Open shedding
27.	Function warp in the		the cloth so t	that it is held at the same width as th
	(A)	Temples	(B)	Breast beam
	(C)	Lease rods	(D)	Emery roller
28.	60s Englis	sh yarn count is approximately e	quivalent to	:
	(A)	30 Tex	(B)	60 Tex
	(C)	10 Tex	(D)	120 Tex
29.	Type of to	op rollers used in modern high sp	peed draw fra	ames are :
	(A)	Loose boss rollers	(B)	Solid rollers
	(C)	Loose bush rollers	(D)	Fluted rollers
30.	In carding	g web material is converted to sl	iver by:	
	(A)	Doffer	(B)	Doffer comb
	(C)	Calendar roller	(D)	Trumpet
31.	Organ fix	ed between the top and bottom s	pron to cont	rol the movement of strand of fibers :
	(A)	Spacer	(B)	Nose bar
	(C)	Apron cradle	(D)	Condenser
32.	Sizing is o	lone on :		
	(A)	Weft yarn	(B)	Warp yarn
	(C)	Hosiery yarn	(D)	Cone yarn
33.	Congo red	dyestuff belongs to this group :		
	(A)	Oxidised dyes	(B)	Dispersed dyes
	(C)	Acid dyes	(D)	Direct dyes
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	Duinainal a	bject of the Stenter machine is to		
4.		Control the width of the fabric	(B)	Control the length of the fabric
	(A)	Improve the luster of the fabric	(D)	Improve the strength of the fabric
	(C)		**	
35.	Molten wa	x is used to produce designs in thi	s style of p	orinting:
	(A)	Discharge	(B)	Direct
	(C)	Resist	(D)	Azoic
0.0	Sanforisin	mie a :		
36.	(A)	Anti static finish	(B)	Anti shrink finish
	(C)	Anti crease finish	(D)	Anti Phil finish
			97 (6)	
37.	Fastness t	to perspiration of Direct coloured r	naterials c	an be improved by the treatment with:
	(A)	Copper sulphate	(B)	Potassium dichromate
	(C)	Formaldehyde	(D)	Sodium phosphate
38.	Ribers wh	nich are not in the nip of either dra	wing and	retaining rollers are termed as:
00.	(A)	Hooked fibers	(B)	Curled fibers
	(C)	Short fibers	(D)	Floating fibers
Y-2712-01		for the healest Share found i	n a card sl	iver is :
39.		ge of trailing hooked fibers found i	(B)	70% to 80%
	(A)	45% to 65%	(D)	30% to 40%
	(C)	15% to 35%	(D)	30/11 to 45/10
40.	Ratio bet	ween surface speed of delivery roll	er to feed	roller is termed as :
	(A)	Tension draft	(B)	Mechanical draft
	(C)	Break draft	(D)	Actual draft
	Gr. Jane	l moisture regain of cotton, wool, a	cetate and	silk, in the decreasing order is:
41.		C:11-	(B)	
	(A)	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(D)	
	(C)	Wool > Cotton Shk Steeme	\—,	
42.	Souring	is a process to:		
	(A)	Remove size		
	(B)			
	(C)	Neutralize the substrate after a	lkaline tre	eatment
	(D)) Improve strength	_	100/2014
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43.	The ability of a fabric to assume a graceful appearance in use is termed as:				
	(A)	Drape	(B)	Wear	
	(C)	Resilience	(D)	Flexibility	
44.	Bursting	strength is important for this	type of fabric :		
	(A)	Suiting's	(B)	Curtain fabrics	
	(C)	Toweling fabric	(D)	Filter fabric	
45.	It is not a	measure of scattering:			
	(A)	Arithmetic mean	(B)	Mean range	
	(C)	Mean deviation	(D)	Variance	
46.	Standard	regain of 80/20 Polyester Vise	cose blend is:		
	(A)	3.98%	(B)	2.92 %	
	(C)	4.80%	(D)	7.20%	
47.	The powe	r of recovery from a given ext	ension is expres	sed by the term :	
	(A)	Elastic extension	(B)	Yield stress	
	(C)	Elastic recovery	(D)	Yield strain	
48.	Taker-in to feed plate setting for processing a short stapled cotton:				
	(A)	4 thou	(B)	12 thou	
	(C)	16 thou	(D)	8 thou	
49.	A compac	t lap is produced in Blow room	n by the help of	*	
	(A)	Calendar rollers	(B)	Piano feed regulating mechanism	
	(C)	Condenser	(D)	Rack and brake mechanism	
50.	Bottom cy	linder of the comber fitted wi	th combing segr	nent is otherwise known as:	
	(A)	Top nipper	(B)	Half lap	
	(C)	Bottom nipper	(D)	Full lap	
51.	It is not a	n auxiliary motion of a power	loom:		
	(A)	Side weft fork motion	(B)	Loose reed motion	
	(C)	Let-off motion	(D)	Warp stop motion	
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52.	Weak link	effect is a term concerned with:		
	(A)	Strength test	(B)	Drape test
	(C)	Evenness test	(D)	Fineness test
53.	The loom	parts Duck bill and hitter found in :		
	(A)	Warp easing motion	(B)	Let-off motion
	(C)	Fast reed motion	(D)	Loose reed motion
54.		n surface speed of top rubber covered in roller is termed as :	roller v	when the material passing between top
	(A)	Roller slip	(B)	Roller lapping
	(C)	Draft	(D)	Roller cots
55.	Chemical	Burr extraction from the wool is know	vn as :	
	(A)	Chlorination	(B)	Carbonization
	(C)	Scouring	(D)	Bleaching
56.	Hydropho	bic fibers are mainly dyed with this g	roup of	colours:
	(A)	Oxidized	(B)	Mineral
	(C)	Dispersed	(D)	Mordant
57.	Naphthol	s are dissolved in :		
	(A)	Sodium hydroxide	(B)	Calcium hydroxide
	(C)	Phenol	(D)	Hydrochloric acid
58.	The loom	parts hammer lever and cam found in	n :	
	(A)	Under pick mechanism	(B)	Centre weft fork motion
	(C)	Side weft fork motion	(D)	Over pick mechanism
59.	Two most	important fiber properties which are	affecte	ed by fiber fineness are :
	(A)	Resistance to bending and strength		
	(B)	Stiffness and torsional rigidity		
	(C)	Stiffness and strength		
	(D)	Resistance to twisting and strength		
60.	The ATII	A fiber fineness instrument working	on:	
	(A)	Diesel oil flow principle	(B)	Kerosene oil flow principle
	(C)	Water flow principle	(D)	Air flow principle
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61.	The imma	ature cotton fibers after treatment with	18 %	caustic Soda found to be:	
	(A)	Rod like appearance	(B)	Curled ribbon like appearance	
	(C)	Round like appearance	(D)	Flat like appearance	
62.	It is the r	atio between force applied and linear d	ensity	·:	
	(A)	Mass stress	(B)	Tenacity	
	(C)	Stress	(D)	Strain	
63.	Silk, wool	, flax and rayon can be considered as :			
	(A)	Cellulose fibers	(B)	Polyamide fibers	
	(C)	Synthesized fibers	(D)	Lustrous fibers	
64.	Silk gum	is otherwise known as:			
	(A)	Fibroin '	(B)	Fats and wax	
	(C)	Sericin	(D)	Mineral salts	
65.	When the	denier of a fiber is doubled, its diameter	er inc	reases by :	
	(A)	Two times	(B)	Four times	
	(C)	0.41 times	(D)	1.41 times	
66.	In a modern cotton ring frame maximum spindle speed is around:				
	(A)	11000 rpm	(B)	16000 rpm	
	(C)	28000 rpm	(D)	22000 rpm	
67.	The rate	of printing production is highest on:			
	(A)	Roller printing	(B)	Screen printing	
	(C)	Block printing	(D)	Flat bed printing	
68.	Weight of	1 lea of 60 s cotton yarn is approximat	ely:		
	(A)	2 grams	(B)	4 grams	
	(C)	$\frac{1}{2}$ gram	(D)	1 gram	
69.	Optimum	condition for bleaching cotton with hyd	iroger	peroxide is :	
	(A)	pH 7, boil	(B)	pH 7, 60°	
	(C)	pH 10, 60°	(D)	pH 10, boil	
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70.). The kind of abrasion occurs at folds and collars can be termed as:			termed as:
	(A)	Plane abrasion	(B)	Flex abrasion
	(C)	Edge abrasion	(D)	Flat abrasion
71.	In ate picl	king, the shuttle enters the shed whe	n the go	ing part of the loom is nearer to the:
	(A)	Lop centre	(B)	Back centre
	(C)	Bottom centre	(D)	Front centre
72.	Weft patte	erns in fabrics can be produced by :		
	(A)	Fast reed motion	(B)	Loose reed motion
	(C)	Multiple box motion	(D)	Jacquard shedding motion
73.	If the actu	ual draft is 100 and waste removed is	5%, the	mechanical draft in a card is:
	(A)	105	(B)	150
	(C)	50	(D)	95
74.	It is not a	n example of cross weaving :		
	(A)	Mock leno	(B)	Net leno
	(C)	Madras muslin	(D)	Cellular leno
75.	Tension t	ype twist tester working on :		
	(A)	Untwist method	(B)	Optical method
	(C)	Untwist and retwist method	(D)	Twist to break method
76.	In transfe	er printing, designs are produced by	using:	
	(A)	Roller	(B)	Paper
	(C)	Block	(D)	Screen
77.	Lea strer	igth tester is working on :		
	(A)	Ballistic principle	(B)	Pendulum lever with CRL principle
	(C)	Pendulum lever with CRT principl	e (D)	Impact principle
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	(C)	Increasing ring rail traverse	(D)	Changing direction of twist
	(A)	Increasing TPI	(B)	Reducing TPI
85.	Without a	dtering spindle speed, Ring frame pr	roduction	can be increased by :
	(C)	Mode	(D)	Median
	(A)	Mean	(B)	Arithmetic Mean
84.	The midd	le value of a series of values arrange	d in orde	er of magnitude is termed as:
	(C)	Air permeability	(D)	Air resistance
		Air porosity	255	Air content
83.	pressure	of 1 cm head of water is termed as:		ss through 1 sq. cm of fabric under a
	(C)	Ring cop winding	(D)	Warping
	(A)	Cone winding	(B)	Fly frame bobbin winding
82.	Winding	and binding ratio is a term in :		
	(C)	91862 meters	(D)	184800 meters
	(A)	84000 meters	(B)	76810 meters
81.	The lengt	h of one pound of 100" cotton yarn is		
	(0)	Decreases initially and increases		
	(A)	Decreases initially and increases	327 Aug	Decreases continuously
80.	(A)	easing twist, spun yarn strength: Increases initially and decreases	(B)	Increases continuously
90	With inou	25 - 27 - 3 - 250		
	(C)	Sodium hypochlorite	(D)	Sodium Sulphate
79.	(A)	Sodium chlorite	(B)	Sodium nitrite
70	Diagotiga	tion of a base can be done with HCL	and:	
	(C)	0.75	(D)	0.85
	(A)	0.65	(B)	0.95
78.	A CONTRACTOR OF THE PARTY OF TH	co-efficient of the cotton is:	ound to	be mature and 70 is immature. The
78	Ry testin	a 1000 cotton fibers 670 fibers fo	und to	be mature and 70 is immature. The

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	(C)	Non creasing capacity	(D)	Crease recovery angle
	(A)		(B)	Crease recovery percentage
93.	Crease re	covery can be measured quantita	tively by Shir	ley crease recovery tester in terms of:
	(C)	Tongue tear test	(D)	Single rip ballístic test
	(A)	Trapezoid tear test	(B)	Wing rip tear test
92.	The fabri	c test conducted on Elmendorf T	Cearing Teste	er is a :
	(C)	300 Kg	(D)	600 Kg
	(A)	12 Kg	(B)	5 Kg
	silver is :			
91.	The prod	uction/hour of a single delivery	Draw frame	with 1000 MPM delivering 5gm/meter
	(C)	Gum tragacanth	(D)	Locust beam gum
	(A)	Gum arabic	(B)	British gum
	temperat			
90.	This mat	erial is prepared by progressi	ve hydrolysi	is of starches using acids or at high
	(C)	408	(D)	400
	(A)	816	(B)	800
89.	Total nun	nber of needles in a double lift de	ouble cylinde	er 400 hook jacquard is :
	(C)	Acrylic	(D)	Viscose rayon
	(A)	Nylon 66 polymer	(B)	Polyester
88.	Adipic Aci	id (ADA) and Hexamethylene di	amine (HMD)) are used as raw materials for :
	(C)	Basic dyes	(D)	Sulphur dyes
	(A)	Mordant dyes	(B)	Acid dyes
87.	This group	p of dyestuff has no direct affini		
	(C)	Single lift centre closed dobbie	30.	
	(A)	Single lift open shed dobbies	(B) s (D)	Double lift open shed dobbies Double lift centre closed dobbies
86.	Keighley o	lobby is an example of :		D 11 120 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

94.	Appearan	ce of pills is more prominent in		— fabrics.
	(A)	Synthetic	(B)	Cotton
	(C)	Silk	(D)	Linen
95.	Waviness	imparted to the threads in a fabric is o	alled	
	(A)	Pills	(B)	Crimp
	(C)	Twist	(D)	Hairiness
96.	A Nep im	perfection in a Uster evenness tester is	defin	ed as a fault of :
	(A)	Length 1cm and cross section 50%	(B)	Length 1cm and cross section 200%
	(C)	Length 1mm and cross section 200%	(D)	Length 1mm and cross section 50%
97.	Resultant	count of a cotton plied yarn composed	of 24s	and 40* is:
	(A)	64s	(B)	15¢
	(C)	32s	(D)	16ª
98.	Twist is in	nserted on roving by the help of:		
	(A)	Coiler and Can	(B)	Spindle and Front roller
	(C)	Spindle and flyer	(D)	Spindle, Ring and Traveler
99.	Bunch for	mation in pirns helps:		
	(A)	Pirn changing mechanism	(B)	Shuttle changing mechanism
	(C)	To protect shuttle flying	(D)	Rapier mechanism
100.	In the cou	pling bath of azoic dye, it is added as a	lkali b	oinding agent:
	(A)	Sodium sulphate	(B)	Ferrous sulphate
	(C)	Chromium sulphate	(D)	Aluminium sulphate

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