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Maximum: 100 marks

				Time: 1 hour and 15 minutes
1.	Which is DuPont in		by Wa	allace Carothers at the chemical firm
	(A)	Polyester	(B)	Nylon
	(C)	Acrylic	(D)	Polyolefin
2.		ratio of the actual vapour pressure ture expressed as a percentage:	o 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:	3	
	(A)	17%	(B)	7%
	(C)	70%	(D)	0.7%
4.	It is an a (68 ± 4 ² F		of 65	\pm 2% and a temperature of 20 \pm 2 $^{\circ}\mathrm{C}$
	(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
	(C)	Blow room	(D)	Speed frame
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7.	Fabrics made with inter looping of yarns - most suitable 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 black i	s:	200		
	(A)	Black	(B) Brown		
	(C)	Green	(D	Violet		
11.	The resul	t of fiber fineness test is found to	be 6.0 MV	V. 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 expres	ssed in :			
	(A)	Mean length	(B) Modal length		
	(C)	Span length	(D) Effective length		
13.	Removal	of short fiber is the main object of	:			
	(A)	Combing process	(B) Carding process		
	(C)	Blow room process	(D) Drawing process		
14.	Ring fram	ne Top roller nip load can be meas	ured by :			
	(A)	ATIRA Nilometer	(B) Stroboscope		
	(C)	ATIRA TARP Gauge	(D) Stelometer		
15.	Suitable (Gin for processing long stapled cot	ton 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 feeding sav	v tooth	Beater/opener:
	(A)	Porcupine opener	(B)	Shirley opener
	(C)	Crighton opener	(D)	Krischner's beater
17.	Lakshmi F	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 frame r	anges :	
	(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 setti	ng betv	veen flats and cylinder :
	(A)	Cylinder Arch	(B)	Concentric bends
	(C)	Flexible bends	(D)	Front plate
	o 11	V it is good is a :	. *	
20.		Verga unit in card is a : Carding device	(B)	Feeding device
	(A)	Pre carding device	(D)	Doffing device
	(C)	110		
21.	In a steep	twill the angle of twill line is :	-	73.1 470
	(A)	45°	(B)	Below 45°
	(C)	Less than 30°	(D)	More than 45°
22.	It is an e	xample of broken and reverse twill fal	oric str	ucture:
	(A)	Hock a back weave	(B)	Satin weave
	(C)	Herring bone weave	(D)	Sateen weave
23.	It is a fa	bric structure which is a modification	of plair	1 weave :
	(A)	1 0 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(B)	
	(C)	Bedford cord weave	(D)	Satin weave
24.	The emp	ty space run lengthwise through the	entre o	of the cotton fiber is termed as:
-	(A)		(B)	
	(C	Control of the Contro	(D)	
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25.	Bast fiber	es are extracted by this pro	cess:	
	(A)	Shearing	(B)	Retting
	(C)	Ginning	(D)	Croissure
26.	In this sh	edding the warp is only mo	oved when the pat	tern requires a change of position :
	(A)	Centre closed shedding	(B)	Bottom closed shedding
10	(C)	Top closed shedding	(D)	Open shedding
27.	Function warp in the		grip the cloth so t	that it is held at the same width as the
	(A)	Temples	(B)	Breast beam
	(C)	Lease rods	(D)	Emery roller
28.	60° Englis	sh yarn count is approxima	tely equivalent to	· ~9
	(A)	30 Tex	(B)	60 Tex
	(C)	10 Tex	(D)	120 Tex
29.	Type of to	p rollers used in modern h	igh speed draw fra	nmes are :
	(A)	Loose boss rollers	(B)	Solid rollers
	(C)	Loose bush rollers	(D)	Fluted rollers
30.	In carding	g web material is converted	l to sliver by :	
	(A)	Doffer	(B)	Doffer comb
	(C)	Calendar roller	(D)	Trumpet
31.	Organ fix	ed between the top and bot	tom apron to conti	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 gr	oup:	
	(A)	Oxidised dyes	(B)	Dispersed dyes
	(C)	Acid dyes	(D)	Direct dyes
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34.	Principal of	bject of the Stenter machine is to:		
	(A)	Control the width of the fabric	(B)	Control the length of the fabric
	(C)	Improve the luster of the fabric	(D)	Improve the strength of the fabric
35.	Molten wa	x is used to produce designs in this	style of p	orinting:
	(A)	Discharge	(B)	Direct
	(C)	Resist	(D)	Azoic
36.	Sanforisin	g is a:		
	(A)	Anti static finish	(B)	Anti shrink finish
	(C)	Anti crease finish	(D)	Anti Phil finish
37.	Fastness t	o perspiration of Direct coloured ma	terials o	can be improved by the treatment with:
	(A)	Copper sulphate	(B)	Potassium dichromate
	(C)	Formaldehyde	(D)	Sodium phosphate
38.	Fibers wh	ich are not in the nip of either draw	ing and	retaining rollers are termed as :
	(A)	Hooked fibers	(B)	Curled fibers
	(C)	Short fibers	(D)	Floating fibers
39.	Percentag	e of trailing hooked fibers found in	a card sl	liver is:
	(A)	45% to 65%	(B)	70% to 80%
	(C)	15% to 35%	(D)	30% to 40%
40.	Ratio bety	ween surface speed of delivery roller	to feed	roller is termed as:
	(A)	Tension draft	(B)	and the second s
	(C)	Break draft	(D)	Actual draft
41.	Standard	moisture regain of cotton, wool, ace	etate and	d silk, in the decreasing order is:
	(A)	Wool > Acetate> Cotton> Silk	(B)	Wool > Silk > Cotton > Acetate
	(C)	Wool > Cotton> Silk> Acetate	(D)	Wool > Silk > Acetate > Cotton
42.	. Souring i	s a process to :		
	(A)	Remove size		
	(B)	Remove wax		
	(C)	Neutralize the substrate after alk	aline tre	eatment
A	(D)	Improve strength		100/2014 [P.T.O.]

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 thi	s type of fabr	ric :		
	(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 Vi	scose blend is	s:	.	
	(A)	3.98%	((B)	2.92 %	
	(C)	4.80%	((D)	7.20%	
47.	The powe	r of recovery from a given ex	tension is ex	pres	sed by the term :	
	(A)	Elastic extension	6	(B)	Yield stress	
	(C)	Elastic recovery	10	(D)	Yield strain	
48.	Taker-in	to feed plate setting for proce	essing a shor	t sta	apled cotton:	
	(A)	4 thou	((B)	12 thou	
	(C)	16 thou	(D)	8 thou	
49.	A compac	t lap is produced in Blow roo	m by the hel	p of	**	
	(A)	Calendar rollers	(B)	Piano feed regulating mechanism	
	(C)	Condenser	(D)	Rack and brake mechanism	
50.	Bottom cy	linder of the comber fitted w	ith combing	segn	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 powe	r loom :			
	(A)	Side weft fork motion	(B)	Loose reed motion	
	(C)	Let-off motion	. (D)	Warp stop motion	
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	(C)	Water flow principle	(D)	Air flow principle
	(A)	Diesel oil flow principle	(B)	Kerosene oil flow principle
60.	The ATII	RA fiber fineness instrument work	ing on :	
	(D)	Resistance to twisting and stren	ngth	
	(C)	Stiffness and strength		
	(B)	Stiffness and torsional rigidity		
	(A)	Resistance to bending and stren	gth	
59.		t important fiber properties which		d by fiber fineness are :
			50.50	B
	(A) (C)	Side weft fork motion	039	Over pick mechanism
58.		Under pick mechanism	(B)	Centre weft fork motion
50	The leave	parts hammer lever and cam four	nd in :	
	(C)	Phenol	(D)	Hydrochloric acid
	(A)	Sodium hydroxide	(B)	Calcium hydroxide
57.	Naphthol	s are dissolved in :		
	(C)	Dispersed	(D)	Mordant
	(A)	Oxidized	(B)	Mineral
56.	Hydropho	bic fibers are mainly dyed with th	is group of	
	(C)	Scouring	(1)	O.
	(A)	Chlorination	(B)	Bleaching
55.		Burr extraction from the wool is k	cnown as : (B)	Carbonization
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	(C)	Draft	(D)	Roller cots
	(A)	Roller slip	(B)	Roller lapping
54.	The fall in	n surface speed of top rubber cove m roller is termed as :	red roller w	when the material passing between top
	(C)	Fast reed motion	(D)	Loose reed motion
	(A)	Warp easing motion	(B)	Let-off motion
53.	The loom	parts Duck bill and hitter found in	ı :	
	(C)	Evenness test	(D)	Fineness test
	(A)	Strength test	(B)	Drape test
52.	Weak link	effect is a term concerned with:		

61.	The immature 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 a	nd linear density	y:	
	(A)	Mass stress	(B)	Tenacity	
	(C)	Stress	(D)	Strain	
63.	Silk, wool	, flax and rayon can be cons	idered as :		
	(A)	Cellulose fibers	(B)	Polyamide fibers	
	(C)	Synthesized fibers	(D)	Lustrous fibers	
64.	Silk gum	is otherwise known as :		40	
	(A)	Fibroin	(B)	Fats and wax	
	(C)	Sericin	(D)	Mineral salts	
65.	When the	denier of a fiber is doubled,	its diameter inc	reases by :	
	(A)	Two times	(B)	Four times	
	(C)	0.41 times	(D)	1.41 times	
66.	In a mode	ern cotton ring frame maxim	um spindle spee	d is around :	
	(A)	11000 rpm	(B)	16000 rpm	
	(C)	28000 rpm	(D)	22000 rpm	
67.	The rate of	of printing production is high	hest 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 a	approximately:		
	(A)	2 grams	(B)	4 grams	
	(C)	$\frac{1}{2}$ gram	(D)	1 gram	
69.	Optimum	condition for bleaching cott	on with hydroger	n peroxide is :	
		pH 7, boil	(B)	pH 7, 60°	
	(C)	pH 10, 60°	(D)	pH 10, boil	
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A	(C)	Pendulum lever with CRT principle	(D)	Impact principle 100/2014
	(A)	Ballistic principle	(B)	Pendulum lever with CRL principle
77.	Lea strer	igth tester is working on :		
	(C)	Block	(D)	Screen
	(A)	Roller	(B)	Paper
76.	In transfe	er printing, designs are produced by us	ing:	
	(C)	Untwist and retwist method	(D)	Twist to break method
	(A)	Untwist method	(B)	Optical method
75.	Tension t	ype twist tester working on :		
	(C)	Madras muslin	(D)	Cellular leno
	(A)	Mock leno	(B)	Net leno
74.	It is not a	n example of cross weaving		
	(C)	50	(D)	95
	(A)	105	(B)	150
73.	If the actu	ual draft is 100 and waste removed is 5	%, the	e mechanical draft in a card is:
	(C)	Multiple box motion	(D)	Jacquard shedding motion
	(A)	Fast reed motion	(B)	Loose reed motion
72.	Weft patt	erns in fabrics can be produced by :		
	(C)	Bottom centre	(D)	Front centre
	(A)	Lop centre	(B)	Back centre
71.	In ate picl	king, the shuttle enters the shed when	the go	ing part of the loom is nearer to the:
	(C)	Edge abrasion	(D)	Flat abrasion
	(A)	Plane abrasion	(B)	Flex abrasion
70.	The kind	of abrasion occurs at folds and collars c	an be	termed as .

78.		g 1000 cotton fibers, 670 fibers co-efficient of the cotton is:	found to	be mature and 70 is immature. The
	(A)	0.65	(B)	0.95
	(C)	0.75	(D)	0.85
79.	Diazotiza	tion of a base can be done with H	CL and :	
	(A)	Sodium chlorite	(B)	Sodium nitrite
	(C)	Sodium hypochlorite	(D)	Sodium Sulphate
80.	With incr	easing twist , spun yarn strength		
	(A)	Increases initially and decrease	s (B)	Increases continuously
	(C)	Decreases initially and increase	s (D)	Decreases continuously
81.	The lengt	h of one pound of 100" cotton yarr	ı is approxi	mately
	(A)	84000 meters	(B)	76810 meters
	(C)	91862 meters	(D)	184800 meters
82.	Winding 8	and binding ratio is a term in		
	(A)	Cone winding	(B)	Fly frame bobbin winding
	(C)	Ring cop winding	(D)	Warping
83.				ss through 1 sq. cm of fabric under a
	pressure o	of 1 cm head of water is termed as	s :	
	(A)	Air porosity	(B)	Air content
	(C)	Air permeability	(D)	Air resistance
84.	The midd	le value of a series of values arra	nged in orde	er of magnitude is termed as:
	(A)	Mean	(B)	Arithmetic Mean
	(C)	Mode	(D)	Median
85.	Without a	ltering spindle speed, Ring frame	production	can be increased by :
	(A)	Increasing TPI	(B)	Reducing TPI
	(C)	Increasing ring rail traverse	(D)	Changing direction of twist
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86.	Keighley o	lobby is an example of :		
	(A)	Single lift open shed dobbies	(B)	Double lift open shed dobbies
	(C)	Single lift centre closed dobbies	(D)	Double lift centre closed dobbies
87.	This group	o of dyestuff has no direct affinity	towards te	xtile fibers :
	(A)	Mordant dyes	(B)	Acid dyes
	(C)	Basic dyes	(D)	Sulphur dyes
88.	Adipic Aci	id (ADA) and Hexamethylene dia	mine (HMD) are used as raw materials for :
	(A)	Nylon 66 polymer	(B)	Polyester
	(C)	Acrylic	(D)	Viscose rayon
00	Watal num	nber of needles in a double lift dou	ble cylinde	r 400 hook jacquard is :
89.		816	(B)	800
	(A)	408	(D)	460
	(C)		12	
90.			e hydrolysi	s of starches using acids or at high
	temperat	ure:	•	
	(A)	Gum arabic	(B)	British gum
	(C)	Gum tragacanth	(D)	Locust beam gum
91.	The prod	uction/hour of a single delivery [raw frame	with 1000 MPM delivering 5gm/meter
	(A)	12 Kg	(B)	$5~\mathrm{Kg}$
	(C)	300 Kg	(D)	600 Kg
92.	The fabri	c test conducted on Elmendorf Te	aring Teste	r is a:
	(A)	Trapezoid tear test	(B)	Wing rip tear test
	(C)	Tongue tear test	(D)	Single rip ballístic test
93.	Crease re	covery can be measured quantitati	vely by Shir	ley crease recovery tester in terms of:
	(A)	Crease recovery length	(B)	Crease recovery percentage
	(C)	Non creasing capacity	(D)	Crease recovery angle
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94.	Appearar	ace 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)	328	(D)	16°
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 l	pinding agent:
	(A)	Sodium sulphate	(B)	Ferrous sulphate
	(C)	Chromium sulphate	(D)	Aluminium sulphate

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