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Maximum: 100 marks

Time: 1 hour and 30 minutes

1.	Polymers	are macromolecules built up by	the linking u	p of large number of:
	(A)	Isotopes	(B)	Monomers
	(C)	Micro Polymers	(D)	None of the above
2.	First devi	ce often used in a melt spinning	g line is:	
	(A)	Extruder	(B)	Manifold
	(C)	Static Mixer	(D)	Spin Pack
3.	Which on	e is not an essential property of	textile fibre?	
	(A)	Fineness	(B)	Spinnability
	(C)	Staple Length	(D)	Cohesion
4.	POY stan	ds for:		
	(A)	Partially oriented yarn	(B)	Partially open yarn
	(C)	Primary oriented yarn	(D)	Post oriented yarn
5.	Select the	longest staple cotton from the	given list:	
	(A)	Indian Cotton	(B)	Sea-island cotton
	(C)	Chinese Cotton	(D)	American cotton
6.	Process of	f converting cellulose into soda o	cellulose in Vi	scose rayon manufacturing:
	(A)	Conditioning	(B)	Steeping
	(C)	Shredding	(D)	Churning
7.	Which is	the major content of wool?		
	(A)	Pectin	(B)	Cellulose
	(C)	Minerals	(D)	Protein
8.	Adding w	eight to degummed silk is know	n as:	
	(A)	Stifling	(B)	Throwing
	(C)	Weighting of silk	(D)	Reeling

_	T)·1	1.0		
9.		d for manufacturing Bullet proof fabri		
	(A)	Polyester	(B)	Jute
	(C)	Hemp	(D)	Kevlar
10.	The fibre	used as a substitute for wool:		
	(A)	Acrylic	(B)	Nylon
	(C)	Flax	(D)	Asbestos
11.	Process to	make yarn package in hank form:		
	(A)	Warping	(B)	Winding
	(C)	Yarn Reeling	(D)	Beaming
12.	Purpose o	f sectional warping:		
	(A)	Warping singlecolour warp	(B)	Warping multicolour weft
	(C)	Warping multicolour warp	(D)	Warping singlecolour weft
13.	Motion no	ot present in Handlooms:		
	(A)	Auxillary warp stop motions	(B)	Primary motion
	(C)	Secondary motion	(D)	None of the above
14.	Loom not	come under handloom category:		
	(A)	Pit loom	(B)	Underpick loom
	(C)	Frame loom	(D)	Chitranjan loom
15.	Fly shuttl	e is invented by:		
	(A)	John Kay	(B)	John Mercer
	(C)	Johann Jacob Rietr	(D)	Von Zedlitz
16.	Take upm	otion used in chitranjan loom:		
	(A)	7-wheel	(B)	5-wheel
	(C)	Chain and ruffle	(D)	None of the above
17.	Number o	f cylinders used in DLSC Jaquard:		
	(A)	4	(B)	2
	(C)	3	(D)	1
18.	Lease rod	s are used to:		
-	(A)	Support take-up motion	(B)	Separate the warp ends
	(C)	Hold the healds	(D)	Hold the reed

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A tool used to hold the woven goods out to reed width during weaving					
(A)	Tappet	(B)	Front rest		
(C)	Temple	(D)	Back rest		
Which loo	om provides individual warp contro	ol?			
(A)	Power loom	(B)	Jacquard loom		
(C)	Projectile loom	(D)	Jet loom		
The desig	n is constructed on point paper by	using cross	s (×) and blank, cross means:		
(A)	End is passing below the pick	(B)	Pick is passing below the end		
(C)	End is passing over the pick	(D)	Pick is passing over the end		
Allocation	n of ends to healds:				
(A)	Drafting	(B)	Design		
(C)	Lifting Plan	(D)	Denting plan		
Repeat siz	ze of a plain weave:				
(A)	3×3	(B)	5×5		
(C)	7×7	(D)	2×2		
Not a deri	ivative of plain weave:				
(A)	Warp rib	(B)	Weft rib		
(C)	Matt	(D)	Leno		
Which we picks?	eave has diagonal line in the fab	ric which i	s created by the floats of the ends or		
(A)	Plain	(B)	Twill		
(C)	Gauze	(D)	Pile		
2/1, 3/1, 3	/2 twills are:				
(A)	Warp faced	(B)	Weft faced		
(C)	Balanced twill	(D)	None of the above		
Which we	ave produces diamond shapes on t	the fabrics?			
(A)	Huck a Back	(B)	Honey comb		
(C)	Matt	(D)	Rib		
How man	y heald shafts are required for a 1	0 × 10 Hucl	k-a-back design?		
(A)	4	(B)	2		
(C)	6	(D)	10		
	(A) (C) Which loo (A) (C) The desig (A) (C) Allocation (A) (C) Repeat six (A) (C) Not a der (A) (C) Which we picks? (A) (C) 2/1, 3/1, 3 (A) (C) Which we (A) (C) Which we (A) (C) The desig	(A) Tappet (C) Temple Which loom provides individual warp contro (A) Power loom (C) Projectile loom The design is constructed on point paper by (A) End is passing below the pick (C) End is passing over the pick Allocation of ends to healds: (A) Drafting (C) Lifting Plan Repeat size of a plain weave: (A) 3 × 3 (C) 7 × 7 Not a derivative of plain weave: (A) Warp rib (C) Matt Which weave has diagonal line in the fabricks? (A) Plain (C) Gauze 2/1, 3/1, 3/2 twills are: (A) Warp faced (C) Balanced twill Which weave produces diamond shapes on the control of the control	(A) Tappet (B) (C) Temple (D) Which loom provides individual warp control? (A) Power loom (B) (C) Projectile loom (D) The design is constructed on point paper by using cross (A) End is passing below the pick (B) (C) End is passing over the pick (D) (B) Allocation of ends to healds: (A) Drafting (B) (C) (C) Lifting Plan (D) (D) Repeat size of a plain weave: (A) 3 × 3 (B) (C) (C) 7 × 7 (D) (D) Not a derivative of plain weave: (A) Warp rib (C) Matt (D) (B) (C) Matt (D) (D) Which weave has diagonal line in the fabric which is picks? (A) Plain (B) (C) (C) Gauze (D) (D) 2/1, 3/1, 3/2 twills are: (A) Warp faced (B) (C) Balanced twill (D) (D) Which weave produces diamond shapes on the fabrics? (A) Huck a Back (B) (C) (C) Matt (D) Huck a Back (B) (C) Matt (D)		

29 .	What is re	What is required for the construction of a Sateen weave?				
	(A)	Warp number	(B)	Weft number		
	(C)	Move number	(D)	Fabric width		
30.	The angle	e made by the twill line with the horizon	ntal w	eft direction is known as:		
	(A)	Weft angle	(B)	Warp angle		
	(C)	Design angle	(D)	Twill angle		
31.	In 4 pick	loose back pique the picks are arranged	as:			
	(A)	1 ground and 3 wadding	(B)	3 ground and 1 wadding		
	(C)	4 ground only	(D)	2 ground and 2 wadding		
32. Treble cloth are with how many series of warp and weft threads?			ft threads?			
	(A)	3 series	(B)	2 series		
	(C)	4 series	(D)	5 series		
33.	Minimum	series of warp thread in a backed cloth	with	backed warp principle:		
	(A)	5 series	(B)	2 series		
	(C)	7 series	(D)	6 series		
34.		oth contain only two series of thread if ace and back ends is named as:	n bot	h direction and occasional droping and		
	(A)	Centre stitched double cloth				
	(B)	Double cloth stitched by thread interc	hange	e		
	(C)	Self stitched double cloth				
	(D)	Double cloth stitched by cloth interch	ange			
35.	A weft wa	added double cloth consists of:				
	(A)	3 series of warp and 2 series of weft				
	(B)	2 series of weft and 2 series of warp				
	(C)	4 series of warp and 2 series of weft				
	(D)	3 series of weft and 2 series of warp				
36.	Which we	eave is known as limitation leno weave?				
	(A)	Rib weave	(B)	Mock leno weave		
	(C)	Matt weave	(D)	Honey comb weave		

37 .	Weave pr	Weave produces longitudinal warp lines in the cloth with fine sunken lines between:					
	(A)	Heringbone weave	(B)	Pointed twill weave			
	(C)	Bedford cord weave	(D)	Sateen weave			
38.		c in which a proportion of the les from a foundation texture:	e threads eithe	er warp or weft are made to project at			
	(A)	Pile Fabric	(B)	Gauze Fabric			
	(C)	Poplin Fabri	(D)	Denim Fabric			
39.	Weft pile	structures are also termed as:					
	(A)	Velvet	(B)	Satin			
	(C)	Velveteens	(D)	Sateen			
40.	Variable l	peat-up motions are an essenti	ial part of whic	h weaving technique:			
	(A)	Plain weaving	(B)	Twill weaving			
	(C)	Leno weaving	(D)	Terry pile weaving			
41.	Which on	e is the universal bleaching ag	gent?				
	(A)	Calcium hypochlorite	(B)	Sodium hypochlorite			
	(C)	Hydrogen peroxide	(D)	Bromite			
42.	Mercerisa	tion of cotton improves:					
	(A)	Fineness	(B)	Lusture			
	(C)	Elasticity	(D)	Crimp			
43.	Chemical	used for scouring cotton:					
	(A)	Calcium hydroxide	(B)	Sodium chloride			
	(C)	Sulphuric acid	(D)	Sodium hydroxide			
44.	Levelling	Agent used for dyeing Cotton	with direct dye	:			
	(A)	Sodium Carbonate	(B)	Calcium Carbonate			
	(C)	Sodium Chloride	(D)	Copper Sulphate			
45.	Molecular	bond formed while dyeing cot	ton with reacti	ve dye:			
	(A)	Ionic bond	(B)	Covalent bond			
	(C)	Metallic bond	(D)	Hydrogen bond			
46.	Conversion	on of insoluble vat dye to solub	le leuco compo	und is called:			
	(A)	Diazotisation	(B)	Dilution			
	(C)	Vatting	(D)	Naphtholation			

47.	Azoic dye	s comes under which category of dye	es:	
	(A)	Ingrain dye	(B)	Metallic Dye
	(C)	Readymade Dye	(D)	Oxidised Dye
48.	Defect of	sulphur dyeing:		
	(A)	Tendering of Fabric	(B)	Staining
	(C)	Unevenness	(D)	None of the above
49.	Process of	f removing sericin from silk:		
	(A)	Scouring	(B)	Carbonizing
	(C)	Milling	(D)	Degumming
50.	Boiled-off	`liquor is used as a dyeing assistant	in the dy	reing of:
	(A)	Nylon	(B)	Cotton
	(C)	Silk	(D)	Polyester
51.	Which ch	emical is commonly used for anti-ch	lorination	after polyester with sodium chlorites?
	(A)	Sodium chloride	(B)	Sodium chlorite
	(C)	Formic acid	(D)	Thiosulphate
52.	What tem	perature is the fabric exposed to du	ring the T	Thermosol dyeing process?
	(A)	$205^{ m o}{ m C}$	(B)	130°C
	(C)	$150^{\circ}\mathrm{C}$	(D)	$260^{\circ}\mathrm{C}$
5 3.		approximate temperature, is the carried out?	bleachin	g of polyester with sodium chlorites
	(A)	$60^{\circ}\mathrm{C}$	(B)	$50^{\circ}\mathrm{C}$
	(C)	$120^{\circ}\mathrm{C}$	(D)	$95^{\circ}\mathrm{C}$
54.	What is the	he purpose of heat-setting the fabric	before dy	yeing using Thermosol method?
	(A)	To stabilize fabric dimensions	(B)	To increase fabric softness
	(C)	To enhance color vibrancy	(D)	To improve moisture absorption
55.	Which di		suitable	in Thermosol dyeing to prevent dye
	(A)	Conventional drying	(B)	Steam drying
	(C)	Infra-red drying	(D)	Hot air drying

56.	What can be added to the bleaching as a pH adjuster during polyester bleaching with sodium chlorites?					
	(A)	Thiosulphate	(B)	Sodium chlorite		
	(C)	Formic acid	(D)	Sodium chloride		
57.	In resist s	style printing, what happens	s to the resisted a	reas during the dyeing process?		
	(A)	They accept the dye	(B)	They repel the dye		
	(C)	They change colour	(D)	They dissolve in the dye		
58.	What diff	erentiates discharge printin	g from the other s	styles of printing?		
	(A)	It involves printing with a	reducing agent			
	(B)	It uses multiple mordants				
	(C)	It requires a resisting subs	stance			
	(D)	It only works on undyed fa	abrics			
59.	What cau	ses imperfections on silk fab	orics printed with	acid dyes?		
	(A)	Guar endogenous insoluble	e proteins			
	(B)	Subtilisin protease				
	(C)	Synthetic thickeners				
	(D)	Acidic dye residues				
60.	How do w	_	n water-repellent	fabrics in terms of permeability to air		
	(A)	Water proof fabrics are mo	ore permeable			
	(B)	Water-repellent fabrics are	e more permeable	,		
	(C)	Both have similar permeal	bility			
	(D)	Both fabrics are not perme	eable			
61.	How does	moisture absorption affect t	the dimensions of	fibres in fabrics?		
	(A)	Causes shrinking	(B)	Causes stretching		
	(C)	Causes discolouration	(D)	Causes stiffiness		
62.	The Relat	ive humidity in standard te	sting atmospheric	c condition is		
	(A)	55%	(B)	45%		
	(C)	65%	(D)	70%		

63 .	What principle does the Beesley Balance operate on?						
	(A)	Variable weight and variable length					
	(B)	Fixed weight and variable length					
	(C)	Variable weight and fixed length					
	(D)	Fixed weight and fixed length					
64.	Which typ	pe of fibres show an increase in strength	with	the absorption of moisture?			
	(A)	Cotton fibres	(B)	Wool fibres			
	(C)	Silk fibres	(D)	Glass fibres			
65.	What is the	he effect of temperature on the regain of	texti	le material?			
	(A) Temperature significantly increases regain						
	(B)	Temperature significantly decreases re	egain				
	(C)	(C) Temperature has a negligible effect on regain					
	(D)	Temperature causes erratic changes in	rega	iin			
66.	How does relative humidity affect the regain of textile material?						
	(A)	Regain is higher at lower relative hum	idity				
	(B)	Regain is unaffected by relative humid	lity				
	(C)	Relative humidity has no impact on re	gain				
	(D)	Regain is higher at higher relative hun	midit	y			
67.	How does	the torsional rigidity of yarn change wi	th inc	creasing fibre fineness?			
	(A) Torsional rigidity increases						
	(B)	Torsional rigidity decreases					
	(C)	No effect on torsional rigidity					
	(D)	Torsional rigidity becomes unpredictal	ole				
68.		the initial extension behaviour differ b	etwe	en CRE and CRL in the determination			
	of yarn st						
	(A)	CRE has a low initial extension					
	(B)	CRL has a low initial extension					
	(C)	Both CRE and CRL have high initial e	xtens	sion			
	(D)	CRL have a high initial extension					

69.	The form	ula for finding the uniformity index	x of fibers i	\mathbf{s}			
	(A)	Uniformity index = (50% span len	$ngth \times 2.5\%$	% span length)/100			
	(B)	B) Uniformity index = $(50\% \text{ span length} \times 2.5\% \text{ span length}) \times 100$					
	(C)	Uniformity index = (2.5% span le	ngth × 100)/ 50% span length			
	(D)	Uniformity index = $(50\% \text{ span len})$	ngth × 100))/ 2.5% span length			
70.	To find the		velled in w	which substance and examined under a			
	(A)	Sodium hydroxide	(B)	Ethanol			
	(C)	Acetone	(D)	Chloroform			
71. How does an increase in picks per inch affect the drape coefficient of a fabric?							
(A) Chance of both increase or decreas							
(B) It decreases							
	(C)	It remains constant					
	(D)	It increases					
72.	Which am	nong the fabric testing instrument	works on t	he Cantilever principle?			
	(A)	Lea Strength Tester	(B)	Elmendorf Tearing Tester			
	(C)	Shirley Stiffness Tester	(D)	Shirley Crimp Tester			
73.	Which ar		nerally re	garded as having the best abrasion			
	(A)	Silk	(B)	Nylon			
	(C)	Cotton	(D)	Wool			
74.	How does	the fabric structure impact the ab	rasion of w	varp and weft yarns?			
	(A)	Even crimp distribution improves	s wear				
	(B)	Uneven crimp distribution impro	ves wear				
	(C)	Crimp has no effect on wear					
	(D)	Floats protect warp yarns					
75.	Elmendor	f Tear Tester operates on	·				
	(A)	the principle of a Cantilever					
	(B)	the principle of hydraulic pressur	re				
	(C)	the principle of a swinging pendu	ılum				
	(D)	the principle of compression					

76.	Which an	nong the following fabric p	arameter is determ	ined from the Bundesmann test?		
	(A)	Fabric elasticity				
	(B)	Water absorption				
	(C)	Fabric thickness				
	(D)	To measure abrasion res	sistance of fabric			
77 .	What is c	rocking fastness in the cor	ntext of dyed textile	materials?		
	(A)	The resistance to washin	ng			
	(B)	The resistance of transfe	er of colour from one	e surface to another by rubbing		
	(C)	The ability to retain colo	our over time			
	(D)	The intensity of colour in	n wet conditions			
78.	What che fastness?	emical components are	present in human	perspiration that can affect colour		
	(A) Alkaline salts					
	(B)	Acidic substances				
	(C)	Both Alkaline salts and	acidic substances			
	(D)	No chemical components	3			
79.	When is t	he Heart Loop Test option	recommended for t	fabric stiffness testing?		
	(A)	For stiff fabrics				
	(B)	For fabrics with low tens	sile strength			
	(C)	For fabrics with a high d	legree of elasticity			
	(D)	For fabrics that tend to o	eurl or twist			
80.	What is the primary purpose of the Martindale apparatus in fabric testing?					
	(A)	To measure the intensity	y of fabric colour			
	(B)	To evaluate fabric thick	ness			
	(C)	(C) To measure abrasion resistance of fabric				
	(D)	To determine fabric elas	ticity			
81.	If 210 yar system?	rds of cotton yarn weigh 7	70 grains, what is t	the count of the yarn in English cotton		
	(A)	$25^{\rm s}$	(B)	$35^{\rm s}$		
	(C)	5 3 ^s	(D)	$40^{\rm s}$		
82.	What is 10 grams		s of silk yarn in t	he metric denier system, if it weight		
	(A)	$53^{ m s}$	(B)	35 ^s		
	(C)	$25^{ m s}$	(D)	50^{s}		
0.40	10000		10			

83.	8. Calculate the count of unknown thread.			read of unknown count was found to be
	(A)	$10^{ m s}$	(B)	$24^{ m s}$
	(C)	$20^{ m s}$	(D)	$40^{\rm s}$
84.	Calculate	the average count o	of $50^{\rm s}$, $40^{\rm s}$, and $20^{\rm s}$ cotton :	yarn.
	(A)	$22.5^{\rm s}$	(B)	15.5^{s}
	(C)	$25.5^{\rm s}$	(D)	31.5^{s}
85.				nds of 18 ^s cotton yarn in 8 hours, if the g is 420 yards. Ignore waste.
	(A)	60	(B)	50
	(C)	54	(D)	40
86.				ne, if its' calculated winding rate is per 8 hours in 360 hanks.
	(A)	80%	(B)	90%
	(C)	60%	(D)	75%
87.	What will	l be the number of e	nds per inch in a reed of 3	3/72 ^s Stockport?
	(A)	120	(B)	72
	(C)	108	(D)	24
88.				arn per inch. Determine the number of a $36^{\rm s}$ cotton yarn is used.
	(A)	32	(B)	44
	(C)	54	(D)	42
89.		the diameter of the das "N" in the Engl		g to Peirce's formula, if its count is
	(A)	$1/28 \sqrt{N}$ inches	(B)	28 √N inches
	(C)	$3.14 \sqrt{N}$ inches	(D)	$1/3.14 \sqrt{N}$ inches
90.	If the end		ic is 72 and the count of	the warp yarn is 64 ^s , What will be the
	(A)	8	(B)	9
	(C)	68	(D)	56
91.		·	-	roduction) Act, 1985 come into force?
	(A)	29 th March 1985	(B)	31st March 1986
	(C)	1 st April 1985	(D)	10 th March 1986
			10	2 : 2 : 2 : 2

92. In which state of India, the Itchalkaranchi loom developed			oped?				
	(A)	Tamil Nadu	(B)	Uttar Pradesh			
	(C)	Rajasthan	(D)	Maharashtra			
93.	Which cat	egory of loom is Chittaranjan loom an e	examp	ole of?			
	(A)	Ordinary handloom	(B)	Ordinary power loom			
	(C)	Semi-automatic handloom	(D)	Pit loom			
94.	What is or	ne of the primary objectives of Silk Mar	k?				
	(A)	Maximizing profits for silk traders					
	(B)	Protecting the interests of the consum	er				
	(C)	Encouraging the use of synthetic fibre	es				
	(D)	Enhancing competition among silk ma	anufa	cturers			
95 .	When was the Global Organic Textile Standard (GOTS) officially established?						
	(A)	2002	(B)	2006			
	(C)	2008	(D)	2010			
96.	What type	e of take-up motion is provided in a Chi	ttaraı	njan loom?			
	(A)	Negative take up motion	(B)	7-wheel take-up motion			
	(C)	5-wheel take-up motion	(D)	6-wheel take-up motion			
97.	What is or	ne of the primary purposes of using dro	p box	in handlooms?			
	(A)	To reduce the breakage of warp yarns					
	(B)	To assist the take up motion					
	(C)	•					
	(D)	To facilitate the use of multiple colour	red sh	uttles			
98.	The Vertic	cal Handloom dobby generally produce					
	(A)	Bottom closed shedding	(B)	Centre closed shedding			
	(C)	Open shedding	(D)	Semi open shedding			
99.	How does	the sley receive swinging motion in a s	emi-a	utomatic handloom?			
	(A)	Through a pulley system	(B)	By manual operation			
	(C)	Driven by an electric motor	(D)	Utilizing a crankshaft mechanism			
100.	How much	n does the cylinder move in each pick in	ı a vei	rtical handloom dobby?			
	(A)	Half of a revolution	(B)	One full revolution			
	(C)	Quarter of a revolution	(D)	Two full revolution			

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SPACE FOR ROUGH WORK

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