1.		abnormal amount of data ribution curve is called	around the mean in a normal			
	(A)	Median	(B) Mode			
	(C)	Kurtosis	(D) Standard deviation			
	(E)	Answer not known				
2.	maj		r poor quality is classified under e, materials, work methods, ement'.			
	(A)	Pareto diagram	(B) Process flow diagram			
	(C)	Cause and effect diagram	(D) Check sheet			
	(E)	Answer not known				
3.	-	helps an organisation to better understand promoting or driving and restraining or inhibiting forces so that the positives can be reinforced and the negatives reduced or eliminated.				
	(A)	Nominal group techniques	(B) Inter relationship digraph			
	(C)	Matrix diagram	(D) Forced field analysis			
	(E)	Answer not known				
4.		———— is the statistical pro	ocess control tool.			
	(A)	TPM	(B) Pareto analysis			
	(C)	ISO 9000	(D) Six sigma			
	(E)	Answer not known				

- 5. is a tool to collect a large number of verbal expression (ideas, opinions and observation etc.)
 - (A) Tree diagram

(B) Matrix diagram

(C) Affinity diagram

(D) Arrow diagram

- (E) Answer not known
- 6. The most common internal quality measurement that can be used a control point in most process is
 - (A) Total defects per unit = No of defects + No of units produced (or) tested
 - (B) Total defects per unit = No of defects × No of units produced (or) tested
 - (C) Total defects per unit = No of units produced (or) tested / No of defects
 - (D) Total defects per unit = No of defects / No of units produced (or) tested
 - (E) Answer not known
- 7. Which of these is a key principle of the six sigma methodology?
 - (A) Customer complaints handling
 - (B) Reducing variation and defects in processes
 - (C) Increasing production speed
 - (D) Decreasing customer retention
 - (E) Answer not known

8.		———— among the	e following	is the	elements	belongs	to
	cust	customer care.					
	(A)	Organize processes					
	(B)	Deliver what is prom	ised				
	(C)	Write document in cu	stomer-fr	eiendly la	anguage		
	(D)	Hire people who like	people				
	(E)	Answer not known					
9.		———— can be use	d for meas	uring fil	lm or prin	ted produ	act
	usin	g reflected or transmit	ted light.				
	(A)	Densiometer	(E	3) Densi	tometer		
	(C)	Lux meter	(I	O) Aero	meter		
	(E)	Answer not known					
10.	Inte	rnal customers satisfa	ction is a pa	art of			
	(A)	Customer Satisfactio	n Index				
	(B)	Employee Satisfactio	n Index				
	(C)	Quality Control Poin	ts				
	(D)	External Checkpoint	\mathbf{s}				
	(E)	Answer not known					

11.		ose the right	t match follo	owing	strategies o	ean improve	customer
	(1)	Regularly processes.	reviewing	and	updating	customer	feedback
	(2)	Ignoring cu	ıstomer comj	plaints			
	(3)	Offering pe	ersonalized s	ervice	and reward	s programs	
	(4)	Reducing p	oroduct or sei	rvice q	uality.		
	(A)	1 and 3 are	correct		(B) 1 and	2 are correc	et .
	(C)	2 and 3 are			, ,	4 are correc	
	(E)	Answer not					
12.	Assertion [A]: Customer satisfaction is directly linked to customer loyalty.						
	Reas		Dissatisfied competitors.	custon	ners are mo	ore likely to	switch to
	(A)	Both [A] ar [A]	nd [R] are tru	ue and	[R] is the c	orrect expla	nation for
	(B)	Both [A] ar for [A]	nd [R] are tru	ue but	[R] is not tl	ne correct ex	xplanation
	(C)	[A] is true, but [R] is false					
	(D)	[A] is false,	, but [R] is tr	ue			
	(E)	Answer not	t known				
13.		- -	or takes place is not lookir		-		control but
	(A)	Type I			(B) Type I	I	
	(C)	Type III			(D) Type I		
	(E)	Answer not	t known				

14.		——— refers to the seven	classes of waste as per kaizen
	phil	osophy.	
	(A)	MUDA	(B) 5S
	(C)	POKA-YOKE	(D) Just In Time
	(E)	Answer not known	
15.		•	ble pattern that come from
	supe	erimposing two or more uniforn	n and repeating patterns.
	(A)	Moire	(B) Ghosting
	(C)	Hickey	(D) Mottle
	(E)	Answer not known	
16.	Idea	al press room temperature in °C	Sis
	(A)	15-18	(B) 20-22
	(C)	26-28	(D) 30-32
	(E)	Answer not known	
17.		———— is the instrument us	sed to measure the humidity.
	(A)	Thermometer	(B) Durometer
	(C)	Hygrometer	(D) Micrometer
	(E)	Answer not known	

18. Match the following: Α В ISO 9001 1. Model for quality assurance in final (a) inspection test. Model for quality assurance in design, ISO 9003 2. (b) development production, installation and servicing. QS 9000 Guidelines for auditing quality system (c) 3. (d) ISO 10011 4. Automotive quality management system. (a) (b) (d) (c) (A) 2 1 4 3 (B) 1 2 3 4 (C) 4 2 1 3 (D) 3 2 1 4 (E) Answer not known 19. The lightest area of a printed image has a density of 0.2, and the darkest area has a density of 1.6. What is the print contrast? (A) 1.2 (B) 1.4 (C) 1.8 (D) 2.0 (E) Answer not known 20. What is the purpose of a moisture trap in an offset printing press? (A) To prevent ink from drying too quickly (B) To regulate the humidity in the pressroom (C) To remove excess moisture from the printed sheets

Answer not known

(D)

(E)

To control the temperature of the printing plates

- - (A) 1 1.5 mm

(B) 3 - 4 mm

(C) 5-7 mm

- (D) 8 10 mm
- (E) Answer not known
- 22. Identify the correct sequence in paper-making process.
 - (A) chipping \rightarrow pulping \rightarrow bleaching \rightarrow pulp blending
 - (B) pulping \rightarrow chipping \rightarrow pulp blending \rightarrow bleaching
 - (C) bleaching \rightarrow chipping \rightarrow pulping \rightarrow pulp blending
 - (D) pulp blending \rightarrow chipping \rightarrow pulping \rightarrow chipping
 - (E) Answer not known
- 23. Match the following fibres with its respective fibre length in mm
 - (a) pine

- 1. 10 36 mm
- (b) manila
- 2. 2.0 3.0 mm
- (c) cotton
- 3. 1.8 6.2 mm

(d) flax

4. 12 - 50 mm

9

- (a) (b) (c) (d)
- (A) 2 3 4 1
- (B) 1 3 4 2
- (C) 2 3 1 4
- (D) 1 2 3 4
- (E) Answer not known

24.	The amount of filler in a paper is expressed as its						
	(A)	Ash content	(B)	pH value			
	(C)	Acidity	(D)	Alkalinity			
	(E)	Answer not known					
25.	The	The cellulose fibres in paper are held together by					
	(A)	Hydrogen bond	(B)	Adhesive			
	(C)	Ionic bond	(D)	Covalent bond			
	(E)	Answer not known					
26.	tops	is produced with bleached chemical pulp on the topside and have an underlining of mechanical pulp and back layers are having gray colours.					
	(A)	Folding box board	(B)	White lined chip board			
	(C)	Unbleached solid boards	(D)	Solid bleached boards			
	(E)	Answer not known					
27 .		Plain corrugated boxes are directly printed by ———— usin water dispersive inks.					
	(A)	Flexography	(B)	Offset printing			
	(C)	Screen printing	(D)	Gravure printing			
	(E)	Answer not known					
28.	A sp	A special kind of blister package that folds onto itself is known as					
	(A)	Flexo-cartons	(B)	Flexi-tubes			
	(C)	Clamshell package	(D)	Aerosol package			
	(E)	Answer not known					

29.	Twist wrapping is used in which of the following products?				
	(A)	Cookies	(B)	Chips	
	(C)	Toffees	(D)	Biscuits	
	(E)	Answer not known			
30.		viscosity of an ink decreases w lied and called as	vith 1	time when shearing stress is	
	(A)	Tack	(B)	Mottle	
	(C)	Tinking	(D)	Thixotrophy	
	(E)	Answer not known			
31.		——— can be used in formulat	ing a	purple color ink.	
	(A)	Lithopone	(B)	Titanium dioxide	
	(C)	Zinc oxide	(D)	Carbazole	
	(E)	Answer not known			
32.	Which test is conducted on packaging material to determine its moisture absorbency properties?				
	(A)	Compression test	(B)	Cobb test	
	(C)	Tear test	(D)	Tensile strength	
	(E)	Answer not known			
33.	——prop	are substances that perties and are added to reduce		ually have some adhesive cost of adhesive.	
	(A)	Inhibitors	(B)	Accelerators	
	(C)	Diluents	(D)	Extenders	
	(E)	Answer not known	. ,		

34.		——— material is used for making crown closures.				
	(A)	Aluminium	(B) Poly ethylene			
	(C)	Poly propylene	(D) Poly vinyl chloride			
	(E)	Answer not known				
35 .	The ratio		nat has greater strength to weight			
	(A)	Elliptical				
	(B)	Square with round corners				
	(C)	Cylindrical				
	(D)	Square with sharp corners				
	(E)	Answer not known				
36.	The material added to impart anticorrosion properties in steel used for packaging.					
	(A)	Copper	(B) Silver			
	(C)	Tin	(D) Selenium			
	(E)	Answer not known				
37.		tile metals such as tin, lead as ular shapes by	nd aluminium can be formed into			
	(A)	Impact Extrusion	(B) Blown Extrusion			
	(C)	Injection moulding	(D) Pellet Extrusion			
	(E)	Answer not known				

- 38. Match the following on packaging materials:
 - (a) Tin

- 1. Consumer goods
- (b) Aluminium
- 2. Inertness
- (c) Non woven fabrics 3.
- 3. Thin layer

(d) Glass

- 4. Corrosion resistance
- (a) (b) (c) (d)
- (A) 1 2 3 4
- (B) 2 1 3 4
- (C) 3 4 1 2
- (D) 4 3 1 2
- (E) Answer not known
- 39. The common closure liner construction is recommended for packaging hot filling applications is
 - (A) PP/Expanded PP/PP
 - (B) PE/isobutylene blend
 - (C) Ethylene Vinyl acelate
 - (D) PET/LDPE/Expanded LDPE/LDPE
 - (E) Answer not known
- 40. ——— fragile factor levels can be considered as extremely fragile.
 - (A) 65 85 G

(B) 15 - 25 G

(C) 25 - 40 G

- (D) 40 60 G
- (E) Answer not known

41.	grav	ure cylinder.	electroplating reversal process of	
	(A)	Steel	(B) Copper	
	(C)	Nickel	(D) Chrome	
	(E)	Answer not known		
42.	resi		ring process, the photo sensitive protective film and it is levelled bubble.	
	(A)	coating rod	(B) crown roller	
	(C)	doctor blade	(D) glass sheet	
	(E)	Answer not known		
43.	What is the main advantage of using laser cutting for gravure cylinders over electromechanical engraving?			
	(A)	Faster production speed	(B) Chemical etching	
	(C)	Lower cost	(D) Easier setup process	
	(E)	Answer not known		
44.	For	newspaper printing, the total a	area coverage should not exceed	
	(A)	180%	(B) 260%	
	(C)	320%	(D) 360%	
	(E)	Answer not known		

45.	Wha	What is the role of a squeegee in the screen printing process?			
	(A)	to apply heat			
	(B)	to dry the printed substrate			
	(C)	to push ink through the stencil			
	(D)	to mix the inks			
	(E)	Answer not known			
46.		type of flexography pla	ates are produced from matrix.		
	(A)	Sheet photopolymer	(B) Liquid photo polymer		
	(C)	Rubber plate	(D) Poly vinyl acetate		
	(E)	Answer not known			
47.	Indi	rect stencils in screen printing a	are prepared by		
	(A)	Exposing through negative film	ns		
	(B)	Using stencil knife			
	(C)	Using metalized polyester film	l		
	(D)	Exposing through positive film	ns		
	(E)	Answer not known			
48.	Whi	ch of the following is correctly p	aired?		
	[A]	: AM Screening – varies dot	size but keeps spacing constant		
	[B]	: FM Screening - keeps dots	size constant but varies spacing		
	(A)	[A] True and [B] True			
	(B)	[A] True and [B] False			
	(C)	[A] False and [B] True			
	(D)	[A] False and [B] False			
	(E)	Answer not known			

49.		pose the right match following een printing stencil preparation.	quality aspects to consider in		
	1.	Uniformity of the stencil thickr	iess		
	2.	Type of ink used			
	3.	Sharpness of the stencil edges			
	4.	Screen mesh count			
	(A)		(B) 1 and 2 are correct		
	(C) (E)	2 and 3 are correct Answer not known	(D) 3 and 4 are correct		
50.	For high precision and multicolor screen printing, the ideal/mesh material recommend is				
	(A)	Silk screen	(B) Nylon		
	(C)	Polyester	(D) Metalized polyester		
	(E)	Answer not known			
51.		nposite sleeves are produced by es such as ————————— and ——	reinforcing the polymer with a		
	(A)	wood dust and nylon	(B) stained glass and baggage		
	(C)	graphite tube and coir	(D) fibre glass and carbon fibre		
	(E)	Answer not known			

52.		CTP technology, what is	the role of a laser in the imaging				
	(A)	to create the image direc	etly on the substrate				
	(B)	to transfer ink to the pla	ite				
	(C)	•					
	(D)	to expose the plate with	precise image data				
	(E)	Answer not known					
53.	What is the primary function of the plate in the offset printing process?						
	(A)	to hold the ink					
	(B)	to transfer ink to the pa	per directly				
	(C)	to transfer the ink to a b	lanket cylinder				
	(D)	to dry the ink					
	(E)	Answer not known					
54.	What type of plate is commonly used in the offset printing process?						
	(A)	Rubber plate	(B) Copper plate				
	(C)	Aluminum plate	(D) Plastic plate				
	(E)	Answer not known					
55.		ich of the following descr P systems?	ribes a common type of plate used in				
	(A)	Silver halide plates	(B) Thermal plates				
	(C)	Flexographic plates	(D) Wipe on plates				
	(E)	Answer not known					

56.	The	purpose of silicone r	rubber layer in waterless litho offset plate is			
	(A)	Creating Image are	ea			
	(B)	Creating non Imag				
	(C)) Creating protective layer				
	(D)	Creating supportiv	ve layer			
	(E)	Answer not known				
57.		Hybrid Computer to bination of(a)	to Plate (CTP) machines, plates uses a and(b)			
	(A)	(a) Silver halide	(b) Egg albumin			
	(B)	(a) Silver halide	(b) Diazo coating			
	(C)	(a) PVA	(b) Egg albumin			
	(D)	(a) Silver halide	(b) PVA			
	(E)	Answer not known	l .			
58.		-	npening solution is too low or when too much untain, the image will be			
	(A)	Blind	(B) Premature			
	(C)	Cracking	(D) Sharpening			
	(E)	Answer not known				
59.	The wavelength of visible spectrum lies between					
	(A)	400 to 780 nm	(B) 500 to 900 nm			
	(C)	300 to 600 nm	(D) 700 to 1000 nm			
	(E)	Answer not known				

60.	Whi	ch type of plate has a higher se	ensitivity to light?							
	(A)	Thermal plate								
	(B)	Waterless plate								
	(C)	Silver halide plate								
	(D)	Photopolymer coated plate								
	(E)	Answer not known								
61.	What refers to the distribution of power and authority among different individuals of an organization?									
	(A)	Centralization	(B) Authorization							
	(C)	Realization	(D) Decentralization							
	(E)	Answer not known								
62.	and	The proforma on the card which contains the detailed specifications and working instructions regarding the execution of the job are recorded.								
	(A)	Detailed sheet	(B) Job ticket							
	(C)	Key sheet	(D) Print sheet							
	(E)	Answer not known								
63.	In arrow diagram, the events making the start of activiticalled									
	(A)	Head event	(B) Tail event							
	(C)	Dummy event	(D) Logic event							
	(E)	Answer not known								

64.	Burs	st and merge are types of	in networking.								
	(A)	Event	(B) Arrow								
	(C)	Activity	(D) Tools								
	(E)	Answer not known									
65.	The prod	process of determining voluction capacity can meet its p	1 0								
	(A)	A) Capacity requirements planning									
	(B)	Production requirements									
	(C)	Goal achievement									
	(D)	Process optimization									
	(E)	Answer not known									
66.		One of the assumptions in sequencing problem solving is, a machine cannot process more than ———— job at a given point of time.									
	(A)	One	(B) Two								
	(C)	Three	(D) Four								
	(E)	Answer not known									
67.		When a customer is denied fulfilment of an order because the inventory of the item has runout it's called									
	(A)	Buffer stock	(B) Safety stock								
	(C)	Stock in	(D) Stock out								
	(E)	Answer not known									

68.	per Rs.2	Calculate the Economic Order Quantity if the demand is 9,000 units per annum and is uniformly distributed over the year, cost price is Rs.2/- per unit, ordering cost is Rs.40/- per order and inventory carrying cost is 9% of the inventory value.										
	(A)	2,000 units	(B)	4,000 units								
	(C)	1,000 units	(D)	2,500 units								
	(E)	Answer not known										
69.	The	The price of the product can be calculated by										
	(A)	Price = Cost - Expenditur	· e									
	(B)	Price = Cost + Expenditure										
	(C)	Price = Cost + Profit										
	(D)	Price = Cost - Profit										
	(E)	Answer not known										
70.		The term used to describe the cost of materials consumed in the production process										
	(A)	Direct materials cost	(B)	Variable cost								
	(C)	Overhead cost	(D)	Indirect labor cost								
	(E)	Answer not known										
71.		is excluded in the calcu	lation of	profit.								
	(A)	Rent	(B)	Time								
	(C)	Salary	(D)	Telephone charges								
	(E)	Answer not known		_								

72.	Indi	rect materials + Indirect labo	ur + Indirect expenses =								
	(A)	Administration overheads									
	(B)	Factory overhead									
	(C)	Selling overhead									
	(D)	Distribution overhead									
	(E)	Answer not known									
73.	com	———— provides a price estimating system for all kind of commercial printing job									
	(A)	Gutenberg system	(B) Franklin system								
	(C)	Alois Senefelder system	(D) Karlklick system								
	(E)	Answer not known									
74.		Find the annuity of Rs. 1000/- in 10 years allowing a compound interest of 5% per annum.									
	(A)	Rs. 12,577.9	(B) Rs. 13,577.9								
	(C)	Rs. 10,577.9	(D) Rs. 15,577.9								
	(E)	Answer not known									
75.	calc	In a multi product investment analysis care the break even point calculated by ———————————————————————————————————									
	(A)	Dividing	(B) Subtracting								
	(C)	Adding	(D) Multiplying								
	(E)	Answer not known									

76.	The	The standard widths of binding cloth and rexine are								
	(A)	30, 60, 90 and 120 cm								
	(B)	90, 100, 125 and 140 cm								
	(C)	50, 100, 150 and 200 cm								
	(D)	20, 40, 60 and 80 cm								
	(E)	Answer not known								
77.		——— is the conventiona	l size of Quad crown.							
	(A)	$15" \times 20"$	(B) $20" \times 30"$							
	(C)	$30" \times 40"$	(D) 40"×50"							
	(E)	Answer not known								
78.	Composite Machine Hour Rate (CMHR) is calculated by									
	(A)	Fixed direct cost of the machine + Total fixed direct cost of all the machine								
	(B)	Fixed direct cost of the ma	achine + Total annual fixed indirect							
	(C)	Fixed costs per hour + Variable costs per hour.								
	(D)	Variable direct cost of the machine + Variable indirect cost of the machine								
	(E)	Answer not known								
79.		A cost incurred by the printer that must be paid immediately of within a short period of time is known as:								
	(A)	Critical cost	(B) Variable cost							
	(C)	Out of Pocket cost	(D) Fixed cost							
	(E)	Answer not known								

80.	In cost Estimation	and control,	the acronym	BCWS	stands	for	:
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- (A) Budgeted cost for work scheduled
- (B) Budgeted cash for work system
- (C) Basic cost for work system
- (D) Budgeted cost for wealth system
- (E) Answer not known

81. Match the following terms with their appropriate definitions:

Term

Definition

- (a) Color Management
- 1. Arrangement of pages of printing efficiency
- (b) Digital Imposition
- 2. Maintaining color consistency across devices
- (c) Plate Setter
- 3. Page description language for printing

(d) Postscript

- 4. Device used to create printing plates from digital data
- (a) (b) (c) (d)
- (A) 4 1 2 3
- (B) 1 2 3 4
- (C) 3 1 2 4
- (D) 2 1 4 3
- (E) Answer not known

82.	Assertion [A]:			Toners provide advantages in printing speed and cost-effectiveness compared to liquid inks.								
	Rea	son []	R]:	Toners require significant drying time, which slow down the printing process.								
	(A)	(A) Both [A] and [R] are true and [R] is the correct explan of [A]										
	(B)	(B) Both [A] and [R] are true, but [R] is not the correct explanation of [A]										
	(C)	[A]	is true	e, but []	R] is f	alse						
	(D)	[A]	is false	e, but [R] is	true						
	(E)	Ans	swer n	ot knov	vn							
83.	Find the suitable rendering indent for producing same input and output image.											
	(A)	(A) Absolute					(B) Relative					
	(C)	Per	ceptua	.1		(D) Optimized for Saturation						
	(E)	Ans	swer n	ot knov	vn							
84.	Mat	ch th	e follo	wing								
	(a)	Worl	k and t	urn		1.	Inner and outer plate					
	(b)	Worl	k and t	umble		2.	Single plate					
	(c)	Shee	t work			3.	Different gripper edge					
	(d)	Half	sheet	work		4.	Same gripper edge					
		(a)	(b)	(c)	(d)							
	(A)	4	3	2	1							
	(B)	4	3	1	2							
	(C)	1	2	3	4							
	(D)	2	1	4	3							
	(E)	Ans	swer n	ot knov	vn							

	11101	re em	ect is i	not caused	by						
	(A)	(A) Superimposing regular pattern									
	(B)	Imp	rover	screen ang	gle						
	(C)	Imp	roper	exposure s	setting	s					
	(D)	Imp	roper	screen rul	ing						
	(E)	Ans	wer n	ot known							
86.	Mat	Match the following									
	(a)	Ther	mal in	ıkjet	1.	Charge electrode					
	(b)	Cont	inuous	s ink jet	2.	Channel wall deformation					
	(c)	Piezo	ink je	et	3.	Bubble formation					
		(a)	(b)	(c)							
	(A)	2	1	3							
	(B)	2	3	1							
	(C)		2	1							
	(D)	3	1	2							
	(E)	Ans	wer n	ot known							
87.	Which of the following laser can generate output in UV, visible and IR region by altering its frequency.										
	(A)	Hel	ium N	eon		(B) Argon ion					
	(C)	Nd	: YAG			(D) Cd: YAG					
	(E)	Ans	wer n	ot known							

- 88. The term "megapixel" refer to in the context of digital cameras is
 - (A) The size of the camera sensor
 - (B) The amount of memory in the camera
 - (C) The camera's battery capacity
 - (D) The number of pixels in an image, measured in millions
 - (E) Answer not known
- 89. Which of the following statements are true in Imaging Technology?
 - (i) Inkjet technology is the most widely used for digital proofing method in commercial printing.
 - (ii) Raster Image Processor is responsible for converting vector data into a proper imposition of pages for the printing process.
 - (iii) Toners used in laser printers are made up of powered pigments and polymers.
 - (A) (i) only

(B) (i) and (iii) only

(C) (i) and (ii) only

- (D) (ii) and (iii) only
- (E) Answer not known
- 90. A means of converting paper based original (hard copy) in editable text using scanner and related software is called as
 - (A) Original character recalling
 - (B) Online character recording
 - (C) Optical character recognition
 - (D) Optical content reproduction
 - (E) Answer not known

91.	The exter	dot res nsively for sheetfed pr		sharper	printing	and i	s used				
	(A)	Round dot		(B) Squa	are dot						
	(C)	Elliptical dot		(D) Sem	i circle do	ot					
	(E)	Answer not known									
92.		is the process of removing cyan, magenta and yellow									
	dot regio	percentages from hi ons.	ghlight	to shado	w includ	ing chr	romatic				
	(A)	UCR		(B) GCF	\mathbf{c}						
	(C)	UCA		(D) TAC	;						
	(E)	Answer not known									
93.		The process of eliminating portions of the copy, usually on a photograph indicated on the original									
	(A)	Circling		(B) Mar	king						
	(C)	Cropping		(D) Ded	ucting						
	(E)	Answer not known									

94.		Arrange the following prepress workflow tasks in correct sequence for conventional printing								
	1.	Sheet assembly								
	2.	Printing								
	3.	Page assembly								
	4.	Plate imaging								
	5.	RIP								
	(A)	3, 1, 5, 4, 2	(B) 1, 3, 5, 4, 2							
	(C)	1, 5, 3, 4, 2	(D) 5, 1, 3, 4, 2							
	(E)	Answer not known								
95.	half	1	ng dots, created when several erent color inks are placed on top							
	(A)	Overlap	(B) Moire							
	(C)	Rosette	(D) Interference							
	(E)	Answer not known								
96.	An	image of 2"×2" size at a of pixels in the file.	resolution of 75 ppi will have							
	(A)	150	(B) 300							
	(C)	11,250	(D) 22,500							
	(E)	Answer not known								

97.	The	widt	h of 3-	em spa	ice of I	12 point font is
	(A)	4 p	oints			(B) 6 points
	(C)	12	points			(D) 36 points
	(E)	Ans	swer n	ot knov	wn	
98.	The	only	operat	tion tha	at can	be carried out the 'EPS' file format is
	(A)	Col	our coi	rection	n	(B) Image retouching
	(C)	Ima	age sca	ling		(D) Colour control
	(E)	Ans	swer no	ot knov	wn	
99.		aning Colu Impo Blee	, undermn A osition d size	· Colur		Column B The space between two pages in a book The final size of a printed page The layout process for arranging pages The area that extends beyond trim size
		(a)	(b)	(c)	(d)	
	(A)	4	3	1	2	
	(B)	1	2	4	3	
	(C)	2	1	3	4	
	(D)	3	4	2	1	
	(E)	Ans	swer n	ot knov	wn	

100.	Arra	Arrange the following stages/steps in correct sequence.								
	1.	Finalizing Typography								
	2.	Creating a Dumn	ny							
	3.	Rough Sketch								
	4.	Printing the final	layout							
	(A)	3, 1, 2, 4		(B) 3,	2, 1, 4					
	(C)	2, 3, 4, 1		(D) 2,	4, 3, 1					
	(E)	Answer not know	n							
101.	Select the correct statements for the following equipments:									
	1.	Wrencher –	Tool used to bolts	to tight	en/loosen the 1	nuts and				
	2.	Micrometer -	Instrumen	t used	to check the ha	ardness				
	3.	Spirit level –	Instrumen surfaces	t to	test/adjust	horizontal				
	4.	Viscometer -	Tool used	to meas	sure the humic	lity				
	(A)	1 and 4 are correc	et	(B) 1	and 3 are corre	ect				
	(C)	2 and 3 are correct	et	(D) 3	and 4 are corre	ect				
	(E)	Answer not know	n							
102.		bearing that is mandled with 25% a	-	vdered	metal that is	compressed				
	(A)	Porous bearing		(B) Ta	apered roller b	earing				
	(C)	Needle bearing		(D) B	all bearing					
	(E)	Answer not know	n							

103. The machine element which distorts when loaded and recovers when the load is removed.

(A) Follower

(B) Shaft

(C) Cam

(D) Spring

(E) Answer not known

104. _____ occurs due to repeated bending stress above the endurance limit.

(A) Tooth breakage

(B) Fatigue breakage

(C) Heavy wear breakage

(D) Overload breakage

(E) Answer not known

105. Down time losses are measured by equipment availability (A) using _____ equation, where, T-operating time P-Planned operating time

(A)
$$A = \left(\frac{I}{P}\right) \times 100$$

(B)
$$A = (T \times P)/100$$

(C)
$$A = (T + P)/100$$

(D)
$$A = (T - P) \times 100$$

(E) Answer not known

106. As a general rule, standard greases will yield satisfactory performance at temperatures upto

(A) 475° F

(B) 375° F

(C) $275^{\circ} F$

(D) $175^{\circ} F$

(E) Answer not known

107.	The lubrication withspeeds.		is used for light loads and high			
	(A)	Low viscosity	(B)	High viscosity		
	(C)	Medium viscosity	(D)	Very high viscosity		
	(E)	Answer not known				
108.	The maintenance that utilizes outside manpower and resources is called as					
	(A)	Scheduled maintenance	(B)	Breakdown maintenance		
	(C)	Preventive maintenance	(D)	Contract maintenance		
	(E)	Answer not known				
109.	Mati	ng component of chain is				
	(A)	Pulley	(B)	Sprocket		
	(C)	Wheel	(D)	Gear		
	(E)	Answer not known				
110.	In planned maintenance, which of the following departments are responsible for increased operator and public safety					
	(A)	Operations manufacturing and purchasing				
	(B)	Operations manufacturing and top management				
	(C)	Operations manufacturing and maintenance manager				
	(D)	Operations manufacturing and accountancy				
	(E)	Answer not known				

111.	The	routine to repair (or) repla	ce on fixed frequency is called			
	(A)	Break down	(B) Reactive			
	(C)	Preventive	(D) Predictive			
	(E)	Answer not known				
112.	Turnover (stores performance) is the calculation of the average throughout the storeroom (Expressed in months) is equal to					
	(A)	$\frac{\text{Total value of the store room}}{\text{Total value withdrawn in a year}} \times 3 \text{ months/yr}$				
	(B)	$\frac{\text{Total value of the store room}}{\text{Total value withdrawn in a year}} \times 6 \text{ months/yr}$				
	(C)	$\frac{\text{Total value of the store room}}{\text{Total value withdrawn in a year}} \times 12 \text{ months/yr}$				
	(D)	Total value of the store roo Total value withdrawn in a	$\frac{\text{om}}{\text{year}} \times 9 \text{months/yr}$			
	(E)	Answer not known				
113.		ch of the following statement	ents are true about predictive			
	(i)	Predictive maintenance is no	t a maintenance scheduling tool			
	(ii)	Predictive maintenance data can be used for optimizing plant operations				
	(iii)	Visual inspection is a predictive maintenance technique				
	(A)	(ii) only	(B) (iii) only			
	(C)	(i) and (ii) only	(D) (ii) and (iii) only			
	(E)	Answer not known				

114.		maintenance management uencies and lubrications.			charts	specify	
	(A)	check	(B)	methods			
	(C)	control	(D)	failure			
	(E)	Answer not known					
115.		———— is not included in	prev	ention costs	of flex	ographic	
	printing press.						
	(A)	(A) Vendor certification					
	(B)	(B) Preventive maintenance expenses					
	(C)	ISO certification					
	(D)	Reworking cost					
	(E)	Answer not known					
116.	Instrument/equipment is used to measure the gap between rollers						
	(A)	Micrometer	(B)	Feeler gaug	ge		
	(C)	Caliper	(D)	Dial gauge			
	(E)	Answer not known					
117.	The primary purpose of circuit breakers in printing machines is						
	(A)	(A) To maintain temperature					
	(B)	To regulate machine speed					
	(C)	C) To control machine performance					
	(D)	To prevent electrical overload					
	(E)	Answer not known					

118.		instrument used to	fix	blanket	in	offset	prin	ting
	mach						_	
	(A)	Double end spanner	(B)	Socket sp	pan	ner		
	(C)	Torque wrench	(D)	Basin wr	enc	eh		
	(E)	Answer not known						
119.	119. Grease is oil that has been mixed with							
	(A)	Soap	(B)	Calcium	car	bonate		
	(C)	Sodium chloride	(D)	Talc				
	(E)	Answer not known						
120.		type of cam, where s	prin	gs are no	ot r	equired	l to k	ceep
	the follower in contact with cam face.				•			
	(A)	Groove plate cam	(B)	Disk can	ı			
	(C)	Translation cam	(D)	Tow and	wip	cam		
	(E)	Answer not known						
121.	21. One of a series of rotating devices that transfer the sheet from sheet separation unit to the feedboard			from	the			
	(A)	Form roller	(B)	Festoon	roll	er		
	(C)	Forwarding roller	(D)	Front gu	ide	roller		
	(E)	Answer not known						
122.		is the name of the med into an ellipse.	pro	blem who	en	a rour	ıd do	t is
	(A)	Doubling	(B)	Ghosting	ŗ			
	(C)	Slurring	(D)	Mottling	•			
	(E)	Answer not known						

123.	The type of feeder where a number of sheets of paper traveling slower than press speed overlap on the feedboard					
	(A)	Stream feeder	(B)	Single sheet feeder		
	(C)	Alternate sheet feeder	(D)	Friction feeder		
	(E)	Answer not known				
124.		ability of a blanket to recected to excessive high pressure		r from being momentarily		
	(A)	Durability	(B)	Scratch resistance		
	(C)	Solvent resistance	(D)	Smash resistance		
	(E)	Answer not known				
125.	The problem that occurs when an image printed on the side of the sheet can be seen from the other side due to lack of opacity					
	(A)	Strike-through	(B)	See-through		
	(C)	Show-through	(D)	Stroke-through		
	(E)	Answer not known				
126.	In an offset printing machine, the aligned printing sheet is transferred directly to the impression cylinder via					
	(A)	Non suction drum system	(B)	Suction drum system		
	(C)	Stop drum system	(D)	Ranger drum system		
	(E)	Answer not known				

127.		ed board.	eb by pulling it over a triangular
	(A)	Jaw	(B) Chopper
	(C)	Former	(D) Combination
	(E)	Answer not known	
128.		——— are used to position	one half of a web on top of the
	other	r half.	
	(A)	Former	(B) Folder
	(C)	Turner bar	(D) Jogger
	(E)	Answer not known	
129. Area of a printing plate that marks the portion used to oplate to the plate cylinder is called			as the portion used to clamp the
	(A)	Cylinder line	(B) Descender line
	(C)	Common line	(D) Cylinder layout
	(E)	Answer not known	
130.	30. Web offset press where each unit consists of only one blan impression cylinder combined with an inking and dan system is called		
	(A)	Off line press	
	(B)	In line press	
	(C)	Common impression cylinder	press
	(D)	Blanket of blanket press	
	(E)	Answer not known	

131.	. The chill roll section, where heat set inks are cooled and set and the number of chill rolls needed is dependent upon the								
	(A)	Size of the machine							
	(B)	Type of dryer							
	(C)	Press speed							
	(D)	Amount of pressure applied							
	(E)	Answer not known							
132.		——— measurement is	essei	ntial	for	evaluating p	rint		
	dens								
	(A)	Fluorescence	(B)	Brig	htne	SS			
	(C)	Reflectance	(D)	Whit	tenes	s			
	(E)	Answer not known							
133.		offset lithographic press that on, of paper fed from a roll and	_				, or		
	(A)	Sheet fed offset	(B)	Web	offse	et			
	(C)	Small offset	(D)	Baby	offs	et			
	(E)	Answer not known		-					
134.		An auxilary equipment found in sheet fed offset which measures the image area percentages of a plate							
	(A)	Plate scanner	(B)	Dens	sitom	eter			
	(C)	Remote control console	(D)	Spec	tropl	notometer			
	(E)	Answer not known		_	-				

135.	5. The exact alignment of the sheet in the travel direction or direction of print in an offset printing machine is done by				
	(A)	Gripper	(B)	Side Lay	
	(C)	Front Lay	(D)	Suction Plate	
	(E)	Answer not known			
136.		continuous splitting, or separat ne tack of the ink and the rubbe			
	(A)	Desensitization	(B)	Deionization	
	(C)	Delamination	(D)	Dry dusting	
	(E)	Answer not known			
137.		———— proofs are required ect location of text and image.	to o	check the completeness and	
	(A)	Position	(B)	Galley	
	(C)	Colour	(D)	Cromalin	
	(E)	Answer not known			
138.		acceptance behaviour of the ir	ık ir	n wet-on-wet overprinting of	
	(A)	Trapping	(B)	Ghosting	
	(C)	Mottling	(D)	Register	
	(E)	Answer not known			

139.	imag	• -	many GATF test forms, is a test tions in the amount of slur, ated around the cylinder.				
	(A) (C)	Gray balance chart SNOP calibration kit	(B) Ladder target(D) Color control bars				
	(E)	Answer not known	(D) Color control bars				
140.	0. Black solids appear gray, color solids are weak and umagnification, solids appear uneven and full of tiny white sp. The problem is called						
	(A)	Snowflaky solids	(B) Scum streaks				
	(C)	Water streaks	(D) Tinting				
	(E)	Answer not known					
141.	One	of the following is not present i	n the currency note				
	(A)	Planchettes	(B) MICR				
	(C)	Microletters	(D) Watermarks				
	(E)	Answer not known					

	tch the following Zoom lenticular			1.	Transforms into another image
(b)	-	phing cular		2.	Appears to be moving
(c)	Animation lenticular			3.	Image gets bigger or smaller
	(a)	(b)	(c)		
(A)	3	1	2		
(B)	1	2	3		
(C)	1	3	2		
(D)	2	3	1		

- 143. Regular wave or arch shaped lines which are produced according to mathematical laws and used in security printing is called
 - (A) Guilloches

(B) Tesellation

(C) Watermark

- (D) Microletters
- (E) Answer not known

144.	Asse	rtion [A] :		treatmer s ink adhe		U			
	Reas	Reason [R]: Corona treatment raises the surface energy of the substrate.							
	(A)	Both [A] as for [A]	nd [R] are	e true, and	d [R] i	is the cor	rect exp	lanation	
	(B)	B) Both [A] and [R] are true, but [R] is not the correct explanation for [A]							
	(C)	(C) [A] is true, but [R] is false							
	(D)	(D) [A] is false, but [R] is true							
	(E)	Answer not	known						
145.	term	rure printing inology is userity printing	sed partic						
	(A)	Copper			(B) St	teel			
	(C)	Laser			(D) C	arbon			
	(E)	Answer not	known						
146.	perfo	per ement of the	ows of s		_				
	(A)	Comb			(B) St	troke			
	(C)	Engraving			(D) D	ie cutting			
	(E)	Answer not	known						

147.	The printing of continuous serial numbers on a bank note is sheet fed printing on a separate — machine.									
	(A)	Offset	(B)	Gravure						
	(C)	Flexo	(D)	Letterpress						
	(E)	Answer not known								
148.		———, innovation ling experience.	nas been	developed to	enhance the					
	(A)	Printed books	(B)	Electronic boo	oks					
	(C)	Newspaper	(D)	Magazines						
	(E)	Answer not known								
149.	The future development anticipated to enable the creation of new Print-on-Demand (PoD) products is through									
	(A)	Increased use of paper b	oacks							
	(B)	(B) Digital libraries paried with automatic content generating techniques								
	(C)									
	(D)									
	(E)	Answer not known								
150.		———— display is a bista	able displa	ıy.						
	(A)	LED display	(B)	LCD						
	(C)	CRT display	(D)	Electronic Inl	k display					
	(E)	Answer not known								

151.	51. The activation of hyperlinks on web sites and participation in a boards are characterized by an active recall and self – determ access to information of online advertisement is called							
	(A)	Pus	sh stra	tegy		(B)	Pull strategy	
	(C)		se stra				Pure strategy	
	(E)			ot know	/n	, ,		
152.	In d	lata ti	ransfei	r, ATM	is the	e acronym fo	or	
	(A) Asynchronous Transfer Mode							
	(B)	Aug	gmente	ed Tran	sfer I	Mode		
	(C)	Asy	nchror	nous Ta	ıgged	Mode		
	(D)	_		ed Tagg				
	(E)	_	_	ot know				
153.	Mat			_	_	media types Description	with their descriptions	
	Digital media type (a) eBook				1.	-	platform for distributing and	
	(b)	eJou	rnal		2.	_	version of newspapers that ssed through the web	
	(c)	eNev	wspape	er	3.	An electron on various	nic book format for reading devices	
	(d)	Inter Adve	rnet ertising	ŗ	4.		al content displayed on nd social media platforms	
		(a)	(b)	(c)	(d)			
	(A)	4	3	1	2			
	(B)	2	1	4	3			
	(C)	3	1	2	4			
	(D)	1	2	3	4			
	(E)	Ans	swer no	ot knov	/n			
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154.	———— inkjet technology is also called as bubble jet.								
	(A)	Thermal Ink Jet							
	(B)	Piezo Ink Jet							
	(C)								
	(D)	(D) Binary Deflection Continuous Ink Jet							
	(E)	Answer not known							
155.		——— security ink changes	from one color to another when						
	expo	sed to heat							
	(A)	Erasable ink	(B) Pen reactive ink						
	(C)	Coin reactive ink	(D) Thermochromic ink						
	(E)	Answer not known							
156.	In single – colour printing NIP technologies using powder toners create an ink layer on paper that has a thickness of								
	(A)	$5-10~\mu m$	(B) 1 μm						
	(C)	$10-20~\mu m$	(D) $20 - 30 \mu m$						
	(E)	Answer not known							
157.	color	ur reproduction have only	— systems designed for process one printing unit which is nking units corresponding to the ations.						
	(A)	Multi pass	(B) Single pass						
	(C)	Double pass	(D) Triple pass						
	(E)	Answer not known							

158.	radia	nagnetography the toner is ation by so called 'flash fusing source.	fixed by fusing through heat unit' comprises of —						
	(A)	Xenon lamps	(B) LED						
	(C)	D_{50}	(D) Tungsten filament						
	(E)	Answer not known							
159.	varia		ogy has the capacity to print t, hence the ——————————————————————————————————						
	(A)	Book production	(B) Print on demand						
	(C)	Personalisation	(D) Book on demand						
	(E)	Answer not known							
160.	Which of the following is a characteristic of Non-Impact Printing technology (NIP)?								
	(A)	Uses physical contact between substrate	veen the printing plate and						
	(B)								
	(C)								
	(D)	Involves pressing a raised sur	face onto paper						
	(E)	Answer not known							
161.		screen printing machine desig ing drum carries the stock ben	n in which a perforated vacuum eath a reciprocating screen.						
	(A)	Flat-bed presses	(B) Carousel machine						
	(C)	Rotary screen	(D) Cylinder-bed presses						
	(E)	Answer not known	- <u>-</u>						

162.	The	correct 5 stages of electrophotogram, ————,	raphy printing principles are, and						
	(A)	Coating, Fusing, Inking, Tone Tr	ansfer, Cleaning						
	(B)	Imaging, Inking, Toner Transfer,	_						
	(C)	Inking, Cleaning, Imaging, Toner	_						
	(D)	Cleaning, Coating, Inking, Toner							
	(E)	Answer not known							
163.		en the tension on the screen fa	bric is increased, the fabric						
	(A)	No change							
	(B)	Increases							
	(C)	Decreases							
	(D)	Nominal fabric thickness							
	(E)	Answer not known							
164.	_	The process that increases the surface area of the threads in mesh used in screen printing							
	(A)	Fabric reclamation (B) Fabric abrading						
	(C)	Fabric treatment (D) Fabric decreasing						
	(E)	Answer not known							
165.	The	common application of digital pres	ses is						
	(A)	Large scale newspaper printing							
	(B)	Custom short run printing							
	(C)	High volume packaging							
	(D)	High volume book work							
	(E)	Answer not known							
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166.	Solv	entless inks dry by ————	– in s	screen printing process.
	(A)	Polymerization	(B)	Evaporation
	(C)	Absorption	(D)	Diffusion
	(E)	Answer not known		
167. The state of		———— stencils are protive image to a light sensitive s		
	(A)	Wax resist method	(B)	Block out method
	(C)	Knife cut stencil	(D)	Indirect photostencil
	(E)	Answer not known		
168.		process, ink is process, ink is process.	essec	d through a fine open mesh
	(A)	Lithography printing	(B)	Screen printing
	(C)	Digital printing	(D)	Letterpress printing
	(E)	Answer not known		
169.	The	sequence of gravure cylinde		
	(A)	Chrome plating, copper platin	ng, m	nilling, etching
	(B)	Copper plating, milling, etchi	ng, c	hrome plating
	(C)	Milling, copper plating, chron	ne pl	ating, etching
	(D)	Milling, etching, copper platin	ng, cl	hrome plating
	(E)	Answer not known		

170.	In gravure press, the drive gear box contain gear box and serve motors for the circumferential and lateral registration as well as the drive for the axial reciprocating motion of									
	(A)	Impression roller	(B)	Reel st	tand					
	(C)	Doctor blade	(D)	Buzzle	wheel					
	(E)	Answer not known								
171.	_	performance cylinders for ess are made of	publi	ication	printing in	ı grav	ure			
	(A)	Cold drawn steel	(B)	Alumi	num					
	(C)	Manganese	(D)	Synthe	etic materia	1				
	(E)	Answer not known								
172.		system that produces printing is forced downwards against				npress	sion			
	(A)) Moving cylinder impression system								
	(B) Moving rubber roll impression system									
	(C)									
	(D)	. ,								
	(E)	Answer not known								
173.		point of contact between ession roll is called	the e	engrave	ed cylinder	and	the			
	(A)	Dwell	(B)	Skip						
	(C)	Nip	(D)	Dot						
	(E)	Answer not known								

174.	The perm	anently attach	gravure ed to it.	cylinders	have	shafts	that	are	
	(A)	Mandrel type		(B) S	Sleeve t	ype			
	(C)	Integral shaft	type	(D) I	Ballard	shell typ	e		
	(E)	Answer not kn	iown						
175.	The	angle between t	the blade a	and the cyli	nder is	called th	e		
	(A)	Counter		(B) I	Depth				
	(C)	Cylinder gap		(D) \	Width				
	(E)	Answer not kn	iown						
176.	Wha	t is the major a	dvantage (of ceramic b	ase ani	lox rollei	c?		
	(A)	Low execution timing for production							
	(B)	Comparitively low cost							
	(C)	Different cell volumes possible with same screen ruling							
	(D)	Restricted cell volume by production process							
	(E)	E) Answer not known							
177.	In flexography process, the type of cooling mechanism typically use in chill rolls is							used	
	(A)	air cooling		(B) c	oil coolir	ng			
	(C)	water circulati	ion	(D) 1	iquid ni	trogen			
	(E)	Answer not kn	iown						

178.	The ———— is the imaging exposure made through the negative held in contact by a vacuum and a flexible drawdown sheet in flexo plate making.							
	(A)	face	e expos	sure		(B) back exposure		
	(C)		ulder e		re	(D) floor exposure		
	(E)		swer no	=				
179.	Mat plat		ne follo	owing	in th	e various components of photo polymer		
	(a)	Cali	per		1.	distance from floor to top of image area		
	(b)	Floo	r		2.	support for the printable area		
	(c)	Shou	ılder		3.	total height of printing plate		
	(d)) Relief			4.	the non printable area		
		(a)	(b)	(c)	(d)			
	(A)	3	4	2	1			
	(B)	4	3	1	2			
	(C)	1	2	3	4			
	(D)	2	1	4	3			
	(E) Answer not known							
180.	A type of photopolymer plate that has a thin harder image surf lies a top a lower clarometer polymer base is classified as							
	(A)	Ima	age con	itrast p	olate	(B) Metal backed plate		
	(C)	Car	oped pl	ate		(D) Compressible plates		
	(E)	_	swer no		wn			
	. ,							

	(A)	Thread stitched blocks can be opened up easily upto the spine						
	(B)	The inner sheet sections can push forwards after the 3-page trim						
	(C)	Glue lines are visible and run through the thread holes						
	(D)	Removal of individual block sections from the stitched block is possible only by damaging the paper						
	(E)	Answer not known						
182.			of adhesive binding where back of the book is not sawn off, slit/slot punched to allow for glue penetration.					
	(A)	burst binding	(B) ring binding					
	(C)	slit binding	(D) comb binding					
	(E)	Answer not known						
183.	183. In the cutting machine, a metal bar that runs parallel to and placed at a 90° angle to the table							
	(A)	Back gauge	(B) Side gauge					
	(C)	Split gauge	(D) Clamp					
	(E)	Answer not known						
184.	pagi	_	d method for binding thicker s and paperback books where					
	(A)	Perfect binding	(B) Thread stitching					
	(C)	Loose leaf binding	(D) Mechanical binding					
	(E)	Answer not known						

181. A binding is said to have good Binding stability if:

185.	Soft	materials requires ————	clam	ping pressure.			
	(A)	High	(B)	Low			
	(C)	Moderate	(D)	Medium			
	(E)	Answer not known					
186.	When a number of single sheets are collectively folded once, the technique is known as						
	(A)	Lamp folding	(B)	Knife folding			
	(C)	Buckle folding	(D)	Combination folding			
	(E)	Answer not known					
187.	The	other name of sawn-in sewing					
	(A)	French sewing	(B)	Raised cord sewing			
	(C)	Recessed cord sewing	(D)	Tape sewing			
	(E)	Answer not known					
188.	The	gap between the knife folder r	ollers	are set depending on			
	(A)	Roller diameter	(B)	Speed of rotation			
	(C)	Thickness of the sheet	(D)	Knife			
	(E)	Answer not known					
189.	The part of the wire stitching machine that closes the stitch						
	(A)	Saddle	(B)	Clenchers			
	(C)	Bender	(D)	Feeder			
	(E)	Answer not known					

190.	Which of the following factors influences the cutting resistance of knives in guillotine machines?							
	(A)	Printing ink characteristics						
	(B)	Printing machine bed size						
	(C)	Trimming parameters						
	(D)	Structure and condition of knife						
	(E)							
191.	Iden	tify the decorative operations in	n binding					
	(A)	Coloured embossing and foil embossing						
	(B)	Trimming and cutting						
	(C)	Sewing and stitching						
	(D)	Gathering and collating						
	(E)	Answer not known						
192.	2. — part of the die, facilitates the release of board from cutting rule.							
	(A)	Cutting rule	(B) Creasing rule					
	(C)	Rubber ejector	(D) Perforating rule					
	(E)	Answer not known						
193.	The addition of a loose printing slip or document added to a book or magazine after it is bound							
	(A)	Inserting	(B) Insetting					
	(C)	Signature	(D) Section					
	(E)	Answer not known						

194.	The ———— are used in the food packaging industry to promote resistance to moisture, oxygen and UV light.						
	(A)	Barrier coatings	(B)	Overprint coatings			
	(C)	Inline coatings	(D)	UV coatings			
	(E)	Answer not known					
195.	The	material most commonly used t	o m	anufacture collapsible tubes.			
	(A)	Glass	(B)	Steel			
	(C)	Aluminium	(D)	Fluted board			
	(E)	Answer not known					
196.	96. ———— finishing technique used to create a raised desi printed materials.						
	(A)	Embossing	(B)	Foil stamping			
	(C)	Die cutting	(D)	Laminating			
	(E)	Answer not known					
197.	Wha	t is multi-unit packaging?					
	(A)	More than one product item is put in one package					
	(B)	More than one operation is done to make one package					
	(C)	More than one machine is needed to make one package					
	(D)	More than one raw material is	n one raw material is needed to make one package				
	(E)	E) Answer not known					
198.	Appl	ying coating to a specific section	n of	the printed piece			
	(A)	Electron beam coating	(B)	Ultra violet coating			
	(C)	Spot coating		Overprint coating			
	(E)	Answer not known					

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199.	The modified folding carton making machine can form and apply tubes of flexible packaging materials to carton blanks, prior to side seam sealing for ———————————————————————————————————					
	(A)	Bag-in box	(B) Shell-in box			
	(C)	Tray-in box	(D) Flap-in box			
	(E)	Answer not known				
200. The space-providing packaging media, for cuttings that are easy to manipulate, stack			•			
	(A)	Envelops	(B) Trays			
	(C)	Boxes	(D) Bundles			
	(E)	Answer not known				