051/2019

Question Booklet Alpha Code



Question Booklet Serial Number

Total Number of Questions : 100

Time : 75 Minutes

Maximum Marks : 100

INSTRUCTIONS TO CANDIDATES

- 1. The question paper will be given in the form of a Question Booklet. There will be four versions of question booklets with question booklet alpha code viz. **A**, **B**, **C** & **D**.
- 2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the question booklet.
- 3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
- 4. If you get a question booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
- 5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your question booklet is un-numbered, please get it replaced by new question booklet with same alpha code.
- 6. The question booklet will be sealed at the middle of the right margin. Candidate should not open the question booklet, until the indication is given to start answering.
- 7. Immediately after the commencement of the examination, the candidate should check that the question booklet supplied to him contains all the 100 questions in serial order. The question booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
- 8. A blank sheet of paper is attached to the question booklet. This may be used for rough work.
- 9. Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.
- 10. Each question is provided with four choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.
- 11. Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.
- 12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
- 13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.

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1.	Leas	t count of vernie	r mici	rometer is _		·			
	(A)	0.01 mm	(B)	0.02 mm		(C)	0.001 mm	(D)	None of these
2.	In a	double cut file, or	ne cut	is at an ang	gle of	70°. V	What is the angl	le of the	other cut ?
	(A)	45°	(B)	65°		(C)	75°	(D)	51°
3.	Ra v	alue in microns f	or Ro	ughness Nu	ımber	N4 is	i		
	(A)	0.2	(B)	0.1		(C)	0.05	(D)	0.25
4.	$\nabla \nabla \nabla$	is the Roughness	symł	ool for Roug	ghness	s grad	e number		
	(A)	N1			(B)	N3			
	(C)	N5			(D)	Non	e of the above		
5.	In as	semblies, the par	ts are	located by	using	taper	pins. What is t	he tape	r of such pins ?
	(A)	1:100	(B)	1:40		(C)	1:50	(D)	1:20
6.		nier micrometer h m line. The no.						duation	s given above the
	(A)	5	(B)	10		(C)	25	(D)	50
7.	Adju	ıstable caliper ga	uges a	are used for	·		_•		
	(A)	Checking the ac	curac	y of vernier	calip	ers			
	(B)	Checking the siz	ze of a	a caliper					
	(C)	Checking intern	al dia	meters of p	arts				
	(D)	Checking extern	al dia	ameters of p	arts				
8.	The	process of chemic	cal rec	luction of th	ne iroi	n ore	to pig iron is kr	nown as	;
	(A)	Melting	(B)	Refining		(C)	Smelting	(D)	Purification
9.	The	furnace used for	the m	anufacturin	g of s	teel fi	om pig iron is	known	as
	(A)	Puddling furnad	ce		(B)	Blas	furnace		
	(C)	Bessemer furnad	ce		(D)	Non	e of the above		

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10.	Wrin	nging is the ac	g is the act of joining together.							
	(A)	Ring gauge			(B)	Slip	gauge			
	(C)	Shaft and be	aring		(D)	Non	e of the above			
11.	Ang	le of counter s	sinking p	ortion of c	entre d	lrill is	·			
	(A)	30°	(B)	45°		(C)	60°	(D)	90°	
12.	Shap	oing of a grind	ing whee	el to make :	it run c	oncer	tric with the axis	is kno	own as	_•
	(A)	Dressing	(B)	Truing		(C)	Shaping	(D)	Balancing	
13.	Leas	t count of ver	nier beve	el protracto	or is		<u> </u> .			
	(A)	1'	(B)	5′		(C)	0.5°	(D)	1°	
14.	If 'd	' is the diamet	er and 'r	n' is the rp	m, ther	ı cutti	ng speed is			
	(A)	πdn/1000 m	n/min		(B)	πdn	/1000 cm/min			
	(C)	πdn/100 m/	'min		(D)	πdn	t			
15.	Different types of errors may occur wh which measuring instruments ?		hen we	e take	measurements.	Cosine	e error is related t	to		
	(A)	Sine bar			(B)	Slip	gauge			
	(C)	Dial test ind	icator		(D)	Vern	nier Caliper			
16.	The	lathe beds are	mostly	made of _		•				
	(A)	Pig iron	(B)	Wrought	iron	(C)	Grey cast iron	(D)	Carbon steel	
17.	Whi	ch one of the f	ollowing	; is not a p	arts of	a lath	e ?			
	(A)	Saddle	(B)	Cross slic	le	(C)	Apron	(D)	Arbor	
18.	Con	icity is								
	(A)	(D - d)/2	(B)	(D-d)/2	2.1	(C)	(D - d)/1	(D)	(D-d) L/21	
19.	Bell	metal is an al	loy of	·						
	(A)	Zinc and Co	pper		(B)	Zinc	and Aluminium	ı		
	(C)	Nickel and C	Copper		(D)	Tin	and Copper			
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20.		ndian Standard sy cances.	/stem	for Limits a	ınd Fi	ts, the	ere are	grad	grades of Fundamental		
	(A)	12	(B)	16		(C)	18	(D)	25		
21.	-	plane or simple i	ndex	head, one cc	mplet	te rota	tion of the inde	ex crank	rotates the spindle		
	(A)	One revolution			(B)	40 r	evolutions				
	(C)	1/40 of a revolution	ution		(D)	1/4	of a revolution				
22.	Cast	metal bonding t	o the	die casting	surfac	ce is k	nown as	·			
	(A)	Slag	(B)	Welding		(C)	Soldering	(D)	Flash		
23.		amount of die op is known as		,	e the a	ngled	pin contacts th	ne core b	block in die casting		
	(A)	Clearance	(B)	Shut heig	ht	(C)	Dwell	(D)	Day light		
24.	Whi (A)	ch half of the die Cover half	ng dies is se	cured (B)		e stationary pla tor half	ten of th	ne machine ?			
	(C)	Hot chamber			(D)		e of the above				
25.	Whi	ch grade of grind	ling w	vheel is pref	erred	for gr	inding hard me	etals ?			
	(A)	Hard grade wh	eels		(B)	Soft	grade wheels				
	(C)	Open structure	whee	els	(D)	None of the above					
26.	In a	n electric dischar	ae ma	chining pro	00066	alactr	ode is connecte	nd to			
20.	(A)	Anode	(B)	Cathode	<i>((())(())())(())())(()))(()))(()))(()))(()))(()))(()))(()))(()))(()))(()))(()))(()))(()))(()))(())<i>)(()))(())<i>)(()))(()))(())<i>)(())<i>)(()))(())<i>)(())<i>)(())<i>)(())<i>)(())<i>)(())<i>)(())<i>)(())<i>))(())<i>)(())<i>)(())<i>)(())<i>)(())<i>)(())<i>)()<i>)()<i>)()<i>)())<i>()()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)()<i>)(),<i>()()<i>)()<i>)()<i>)()<i>()()<i>)()<i>()()<i>)()<i>)()<i>)()<i>()()<i>)()<i>())<i>()()<i>)(),<i>())<i>()()<i>)(),<i>())<i>()()<i>)(),<i>())<i>()()<i>)(),<i>())<i>()()<i>)(),<i>())<i>(),<i>()(),<i>())<i>()()<i>)(),<i>()(),<i>()(),<i>()(),<i>()(),<i>()(),<i>()(),<i>()(),<i>(</i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i>	(C)	Bed	(D)	 Saddle		
	(11)	Tinouc	(2)	Cutione		(0)	bea	(2)	Suulle		
27.	Clap	per box are used	l on s	haper to		•					
	(A) Move the tool fast in return stroke										
	(B)	To lift the tool i	n retu	ırn stroke							
	(C)	To move the too	ol fast	in forward	stroke	e					
	(D)	To lift the tool i	n forv	ward stroke							
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28.		00 mm long cyl nm. The amount		_			dia. is 100 mn	n and t	the second dia. is
	(A)	0.1	(B)	0.5		(C)	1.0	(D)	10
29.		heat treatment p	rocess	for relieving	g inter	mal st	ress after cold w	orking	in metals is known
	(A)	Annealing	(B)	Normalisi	ng	(C)	Tempering	(D)	Hardening
30.	The	hardening temp	eratur	e of HSS is					
	(A)	725°C	(B)	850°C		(C)	950°C	(D)	1250°C
31.	M c	ode for coolant (DN is	·					
	(A)	M05	(B)	M06		(C)	M08	(D)	M30
32.	This method of actuation is used when a grater split delay is required								
	(A)	Finger cam act	uation		(B)	Dog	leg cam actuati	on	
	(C)	Cam track actu	ation		(D)	Spri	ng actuation		
33.	The	space between tv	vo mo	uld halves,	when	the m	ould is opened i	s terme	ed as
	(A)	Shut height	(B)	Day light		(C)	Spacing	(D)	Opening
34.		is the on	ly pos	sible metho	d to e	ncaps	ulate delicate el	ectroni	c parts.
	(A)	Transfer mould	ling		(B)	Com	pression mould	ing	
	(C)	Injection mould	ling		(D)	Inse	rt moulding		
35.	It is	a process of form	ning h	ollow article	es fror	n a so	ftened plastic tu	be.	
	(A)	Injection mould	ling		(B)	Com	pression mould	ing	
	(C)	Blow moulding	5		(D)	Extr	usion moulding		
36.	-	defects on a die wn as	cast c 	omponent o	due to	o cold	metal, slow sho	ot, low	die temperature is
	(A)	Sink marks	(B)	Cracks		(C)	Cold shut	(D)	Wave or lake

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37.	37. Lead is produced from its ore											
	(A)	Bauxite	(B)	Malachite		(C)	Pirates	(D)	Galena			
38.	Melt	ing point of Alu	miniu	m is								
	(A)	360°C	(B)	420°C		(C)	660°C	(D)	725°C			
39.	Non	selective assemb	oly is									
	(A)	Slow and costly	,		(B)	Rapi	d and costs a	re reduce	d			
	(C)	Not suitable in	mass	production	(D)	Non	e of the above	2				
40.	The	e are	Func	lamental dev	viatio	ns in t	he BIS systen	n of Limit	s and Fits.			
	(A)	12	(B)	16		(C)	18	(D)	25			
41.	Whi	ch is an interfere	nce fit	t ?								
	(A)	25H7/p6	(B)	25H7/g6		(C)	25H7/e6	(D)	25H7/b6			
42.	The fundamental deviation symbol 'H' is chosen for the holes, when the hole basis system is followed. This is because											
	(A)	'H' is the first le	tter o	f Hole								
	(B) The lower deviation of the Hole 'H' is zero											
	(C)	The upper devia	ation	of the Hole '	H' is	zero						
	(D)	The lower and a	apper	deviation of	f the I	Hole 'I	H' is zero					
43.	The	aperture of the s	prue	bush is tape	ered to	o facil	itate	·				
	(A)	Easy machining	5		(B)	Easy	filling of imp	pression				
	(C)	Easy removal of	f the s	sprue	(D)	Easy	removal of c	componen	t			
44.	In a	transfer mouldir	ıg, exe	cessive flash	occu	rred c	lue to					
	(A)	Diameter of ejec	ctor p	in too small	(B)	Mou	ld not closed	satisfacto	rily			
	(C)	Insufficient dra	ft		(D)	Inad	equate ventir	ng				
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45.		used to make o	contir	uous shape	es suc	ch as	tube, rods, pij	pes etc	of thermoplastic
		Rotational mou	lding		(B)	Blow	v moulding		
	(C)		0		(D)		usion moulding		
46.	Mou	lding shrinkage	increa	ses with					
	(A)	Increase of mou	ıld ter	nperature	(B)	High	n injection press	ure	
	(C)	Longer injectior	ı time		(D)	Pres	ence of fillers		
47.	For e	ejecting small cyl	indric	al moulding			_ ejector is used	1.	
	(A)	Pin ejector			(B)	Blad	e ejector		
	(C)	D-Shaped ejecto	or		(D)	Sleev	ve ejector		
48.	Gate	that provided be	elow f	he parting s	urfac	e of tl	ne mould is		
	(A)	Fan gate	(B)	Submarine	gate	(C)	Edge gate	(D)	Overlap gate
49.	Heel	blocks in mould	s are	also called_					
	(A)	Rust buttons	(B)	Support bl	ocks	(C)	Die block	(D)	Ejector plate
50.	The	align	s the	mould to th	e mac	hine	nozzle.		
	(A)	Register ring	(B)	Dowel pin		(C)	Guide pillar	(D)	Sprue bush
51.	Whie	ch pilot nose prof	ile is	stronger in s	treng	th and	d smoother in a	ction ?	
	(A)	Bullet nose		-	(B)	45° c	onical stub nos	e	
	(C)	15° conical stub	nose		(D)	30° c	conical stub nos	e	
52.	In pi	ress tools, the		guide the	e strip	s in t	he tool.		
	(A)	Pushers		0	(B)		support		
	(C)	Stops			(D)	Gau	ges		
53.	For f	faster manual fee	ding,	which type o	of stor	ppers	are preferred ?		
	(A)	Pin stop	0'	<i>J</i> I <i>J</i> I	(B)		er stop		
	(C)	Solid stop			(D)	U	ger stop		

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54.	Punches that perform cutting and non-cutting operations are called									
	(A)	Floating punches	((B)	Hyb	rid punches				
	(C)	Combination punc	hes	(D)	Integ	grated punches				
55.	Stoc	k materials which ar	e fed individuall	ly in	to the	tool for processi	ng are	called		
	(A)	Blanks (E) Single stock		(C)	Component	(D)	Unit stock		
56.	The	minimum amount o	f land in die op	enir	ng is _					
	(A)	1 mm	((B)	1.5 r	nm				
	(C)	3 mm	((D)	Equa	al to sheet thickr	iess			
57.		e cutting clearance eness of the stock ma		t baı	nd pro	oduced is appro	oximate	ely the		
	(A)	One half of (E) One third of	f	(C)	One fourth of	(D)	Same as		
58.	In b	lanking, cutting clea	rance is given c	on						
	(A)	Punch	((B)	Die					
	(C)	Both punch and di	e	(D)	Pilot					
59.		may be cons r by the same tool.	idered as a seri	ies c	of shea	aring operations	perfor	med one after the		
	(A)	Shearing (E) Broaching		(C)	Trimming	(D)	Planishing		
60.	Whe	en any holes require	two or more too	ols to	o he 11	sed	hushes	are used ?		
	(A)	Slip bushes		(B)		r bushes				
	(C)	Renewable bushes		(D)		ial bushes				
61.	The	pump used in a hyd	lraulic power p	ack	is	·				
	(A)	Gear pump	((B)	Cent	rifugal pump				
	(C)	Piston pump	((D)	Vane	e pump				
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62.	This type of jig allows the part to be machined on every surface without repositioning the part in the jig.								
	(A)	Sandwitch jig	(B)	Angle pla	ıte jig	(C)	Box jig	(D)	Channel jig
63.		clamps a	re not	used wher	n there	are c	hances for stro	ong vibra	ation.
	(A)	Cam action clar	mps		(B)	Scre	w clamps		
	(C)	Strap clamps			(D)	Pow	er clamps		
64.		imum angle that ber of divisions t				lirect	indexing is 10	°. Wha	t is the maximum
	(A)	10	(B)	12		(C)	24	(D)	36
65.									
	(A)	Grit	(B)	Grade		(C)	Grain	(D)	Structure
66.	A 12 mm diameter end mill is to be set for a cutting speed of 14 m/min. The rpm to be set on the machine should be								
	(A)	271.7	(B)	183.17		(C)	76	(D)	371.21
67.	G co	ode for dimensior	ning ir	n inch mod	e is				
	(A)	G20	(B)	G22		(C)	G70	(D)	G71
68.	Whe	en cutting and nor	n-cutti	ng operatio	ns take	es plac	e in a single sta	tion, it is	called
	(A)	Combination to	ol	0 1	(B)	Prog	ressive tool		
	(C)	Compound tool	l		(D)	Asse	embly tool		
69.	A sr	nall edge radius i	in bla	nked comp	onent	is the	result of cuttin	ıg cleara	nce is
	(A)	Sufficient	(B)	Insufficie	nt	(C)	Excessive	(D)	Optimum
70.	The	burr side of a bla	ank is	always tou	vards	the			
	(A)	Punch side			(B)	Die s			
	(C)	Both (A) and (B	5)		(D)		e of these		
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71.	The cutting clearance for sheet metal with thickness 2 mm and shear strength 360 N/mm ²
	is

(A) 0.012 mm/side (B) 1.2 mm/side (C) 2 mm/side (D) 0.12 mm/side

72. If the side of a square shaped component is 4 mm and the thickness is 2 mm and the shear strength is 360 N/mm². The cutting force is ______.

(A) 11.52 kN (B) 10 kN (C) 15 kN (D) 30.6 kN

- **73.** The operation of separating the stock material along a straight line in a double cut is called ______.
 - (A) Cutting off (B) Trimming (C) Notching (D) Parting off

74. Screws and dowel holes drilled should be away from the edge and opening of the die by _____, if the diameter of the screw and dowel is d.

(A) 1.5d (B) 2.5d (C) 0.5d (D) 0.75d

75. Pantograph die-sinking and engraving machine operates on the principle of ______.(A) Gang milling (B) Shaping (C) Planing (D) Copy milling

76. Punches located and positioned by punch holders are known as ______.

- (A) Integrated punches (B) Segregated punches
 - (C) Hybrid punches (D) Cutting punches

77. The exact position in which the stock strip must be positioned in order to obtain dimensionally correct component is _____.

- (A) Registry position (B) Stop position
- (C) Finger stop position (D) None of the above

78. When it is necessary to clamp the strip in addition to its stopping function ______ is used ?

- (A) Travelling stripper (B) Fixed stripper
- (C) Box stripper (D) None of the above
- **79.** Bulge clearance is provided in the _____.
 - (A) Die plate (B) Stripper plate (C) Front gauge (D) Back gauge
- A

80.	Nes	ting gauges are used whenever									
	(A)	Progressive tool is used	(B)	Compound tool is used							
	(C)	Stock strip is fed into the tool	(D)	Unit stock is fed into the tool							
81.	wh;	ile handing the neutral plane lie		vimately at a distance of							
01.		0.3t to 0.5t from the inner surf		ximately at a distance of							
	(A)	0.3t to 0.5t from the outer surf									
	(B)	0.5t to 0.6t from the inner surf									
	(C) (D)	0.4t from the outer surface	ace								
	(D)	0.4t from the outer surface									
82.	All I	bends are distorted like forming	. This d	listortion is called							
	(A)	Elastic deformation	(B)	Plastic deformation							
	(C)	Shearing	(D)	Planishing							
83.	If th	ne blank diameter is 'D' and cu	p or sh	ell diameter is 'd', then coefficient of drawing							
	K =										
	(A)	D-d (B) D-d/2	2	(C) d/D (D) D/d							
84.	The	clearance between the walls of	the dray	wing punch and the die should be							
01.	(A)	Same as the thickness of the m		ing paren and the die should be							
	(B)	Less than the thickness of the :									
	(C)	Greater than the thickness of t		1							
	(D)	Double the thickness of the me		_							
	()										
85.	A sr	maller bend radius results									
	(A)	No spring back	(B)	Heavier spring back							
	(C)	Weaker spring back	(D)	No change in spring back							
86.	Why	y metal rupture or bottom break	off in d	rawing ?							
	(A)	Blank holding pressure is too h	nigh								
	(B)	Blank holding pressure is too v	veak								
	(C)	Clearance is more									
	(D)	Wrong blank dimension									
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87. Tool makes buttons are in corporate with :									
	(A)	Accurate locati	ng		(B)	Prec	ision turning		
	(C)	Precision boring	5		(D)	Асси	arate clamping		
88.		is basical	y a n	nethod of bla	anking	g or p	iercing parts wi	thout d	lie break.
	(A)	Shaving	(B)	Broaching		(C)	Piercing	(D)	Fine blanking
89.	Max	imum number of	dow	els used for	posit	ioning	; is		
	(A)	1	(B)	3		(C)	2	(D)	4
90.			n, more than one reduction will be necessary if of the cup 'd' (h/d) exceeds a value of (B) 1.0 (C) 2.0						tio of height of cup
	(A)	0.75	(B)	1.0		(C)	2.0	(D)	2.25
91.		maximum numb ent rocking.	oer of	locating po	ing points in one plane shou			e	in order to
	(A)	2	(B)	3		(C)	4	(D)	5
92.	Whe	en the punch doe	s not	'bottom out'	' <i>,</i> the	bendi	ng process are r	eferred	to as
	(A)	V bending	(B)	U bending	5	(C)	Air bending	(D)	Wiping
93.	Sprin	ng back can be p	reven	ted in wipir	ng die	s by _			
	(A)	Over bending t	he ma	terial	(B)	Iron	ing the material		
	(C)	Heating the ma	terial		(D)	Non	e of the above		
94.	Bend	ling along a curv	ed ax	is is termed	as :				
	(A)	U bending			(B)	Curv	ved bending		
	(C)	Drawing			(D)	Form	ning		
95.	If th	e load is heavy a	nd en	d feeding is	requi	red, _	die se	et is us	ed.
	(A)	Diagonal pin ty	pe		(B)	Four	pillar type		
	(C)	Center pin type	1		(D)	Back	: pin type		
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96.		causes the	e met	al to begin flowir	ng pla	stically.		
	(A)	Die radius	(B)	Punch radius	(C)	Pressure pad	(D)	Draw ring
97.	who	se weight per sq.	cm is	1.7 gms. What is	the b	lank diameter ?		plate material and
	(A)	19.54 cm	(B)	18.36 cm	(C)	16.46 cm	(D)	15 cm
98.	is the connecting rod in a crank driven press.							
	(A)	Ram	(B)	Clutch	(C)	Pitman	(D)	Crank
99.	Dou	ble action presses	s are 1	mainly used for _		·		
	(A)	Drawing	(B)	Piercing	(C)	Blanking	(D)	Lancing
100.). The locating system should be such that it would be difficult for the operator to load the workpiece incorrectly in a fixture. This is known as							
	(A)	Aligning	(B)	Locating	(C)	Clamping	(D)	Fool proofing

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SPACE FOR ROUGH WORK

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