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1.	The	term forging refers to :					
	(A)	Plastic deformation	(	B)	Elastic deformation		
	(C)	Stress deformation	(	D)	Strain reveling		
2.	A v	ery difficult forgable m	aterial is :				
	(A)	Maraging Steel	(1	B)	Beryllium		
	(C)	Magnesium alloy	(1	D)	Nickel alloy		
3.	The	highly elastic material					
٥.							
	(A)	Rubber (B)	Brass		(C) Glass	(D)	Steel
4.	Slow	and progressive defor	mation is calle	d:			
	(A)	Resilience (B)	Malleability		(C) Creep	(D)	Plasticity
5.	1475-0	m a material is subjected					
Э.		en a material is subjecte	ACCEPTED TO	iodi	c loading, the proper	ty occu	rring is :
	(A)	Creep (B)	Fatigue		(C) Hardness	(D)	Ductility
6.	Hool	ke's Law states that :					
	(A)	Stress × Strain = Const	ant (B	5)	Strain – Stress = Cons	stant	
	(C)	Stress Strain = Constant	(E	))	Stress + Strain = Cons	stant	
7.	The pand	process of forming new deformed is called :	grain structur	e w	ith reduced grain size	e when	a metal is heated
	(A)	Re-crystallisation	(B	)	Crystallisation		
	(C)	Melting	(D	)	Deforming		

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8.	Hot working temperature of steel is :										
	(A)	370 – 455°C	(B)	760 – 925°	C	(C)	315°C	(D)	1100 – 1260°C		
9.	Lens	gth of work piece	is red	uced by :							
		Upsetting	(B)	Fullering		(C)	Flattening	(D)	Piercing		
10.	The	cooling medium i	n nor	malising is	:						
	(A)	Water			(B)	Oil					
	(C)	Air			(D)	Artif	ficial Coolants				
11.		Iron melts at :	(Th)	7/000		100	27000	(Fat	450000		
	(A)	380°C	(B)	760°C		(C)	370°C	(D)	1539°C		
12.	Mari	tensite is :									
14.	(A)	Ductile	(B)	Hard		(C)	Soft	(D)	Brittle		
	()	Ducine	(5)	Tana		100	Son	(0)	Dittie		
13.	Tous	ghness is the abili	ty to a	absorb:				- 12			
	(A)	Impact	(B)	Stresses		(C)	Load	(D)	Heat		
14.	Heat	t treatment is don	e to c	hange :							
	(A)	Magnetic proper	rties c	of metal	(B)	Phys	ical properties of	of metal	I the V and V		
	(C)	Mechanical proj	perties	of metal	(D)	Elect	rical properties	of meta	al		
15.	Whi	ch of the below is	not a	surface ha	rdenir	ig pro	cess ?				
	(A)	Nitriding	(B)	Carburisir	ng	(C)	Cyaniding	(D)	Annealing		
16.		ittle material is :			(70)						
	(A)	Mild steel	,		(B)	Cast					
	(C)	Low carbon stee	21		(D)	Plast	ic				
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17.	Gan	nma Iron has the crystal structure	e of :				
	(A)	bcc . (B) sc		(C)	hep	(D)	fcc
18.	The	property by which a material ab	sorbs e	nergy	without plas	stic deform	ation is :
	(A)	Resilience (B) Hardnes	ss	(C)	Tensile Stre	ength (D)	Toughness
19.	In fo	orging operation, work piece is us	sually s	ubject	ed to :		
	(A)	Tensile stress	(B)	Shea	ır stress		
	(C)	Bending stress	(D)	Com	pressive stre	ess	
20.	Forg	ging is a :					
	(i)	Hot working operation					
	(ii)	Cold working operation					
	(iii)	Operation that involves pressin	g				
		Of these statements :					
	(A)	(i) is true	(B)	(ii) a	nd (iii) are ti	rue	
	(C)	(ii) is true	(D)	(i) ar	nd (iii) are tr	ue	
21.	Hot	die forging is also known as :					
	(A)	Roll forging	(B)	Emb	ossing		
	(C)	Isothermal forging	(D)	Preci	ision forging		
22.	The	body of Anvil is made of :					
	(A)	Mild steel	(B)	High	carbon stee	1	
	(C)	High speed steel	(D)	Cast			
			1950375				
23.	In A	nvil, hardie hole is used for :					
	(A)	Bending rods of small diameters	s (B)	Hot	punching op	eration	
	(C)	Holding square shanks	(D)	Cutti	ing operation	n	
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24. In smithy operation, for general pick up work :									
	(A)	Straight - lip flu	ted to	ng is used	(B)	Flat	tong is used		
	(C)	Gad tong is used	i		(D)	Ring	tong is used		
25.	Neck	ting down of wor	k piec	e is done by	y:				
	(A)	Swages	(B)	Fullers		(C)	Flatters	(D)	Set hammer
26.	Flux	used in forge we	lding	is:					
	(A)	Calcined Borax			(B)	Silica	a /		
	(C)	Nitric Oxide			(D)	Calc	ium Carbonate		
27.	The i	method of prepar	ing m	etal pieces	for for	ge we	elding is called:		
	(A)	Filling	(B)	Jumping		(C)	Reaming	(D)	Scarfing
28.	Drop	forging comes u	nder						
	(A)	Smith die forgin	g		(B)	Impi	ression die forgin	g	
	(C)	Power forging			(D)	Hand	d forging		
29.	Forg	ing process for sh	aping	round bars	is cal	led:			
	(A)	Press forging	(B)	Rotary for	ging	(C)	Drop forging	(D)	Billet
		129		90		A P.L.			
30.	Iron	with little or no o	arbor	is called:		u la			
	(A)	Ferrite	(B)	Sorbite		(C)	Pearlite	(D)	Martensite
31.	The l	hardening respon	se of	steel to heat	treat	ment	is measured by:		
	(A)	Brinell Test	(B)	Jominy Te	st	(C)	Morse Test	(D)	Knoop Test
32.	Which	th of the followin	o mol	al ie magne	tic 2				
32.	(A)	Aluminium	(B)	Nickel	ac r	(C)	Copper	(D)	Magnesium
	(21)	rummuun	(11)	VICKEL		(0)	copper	(D)	wagnesium

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33.	The	metal used for d	ie cast	ing is :				
	(A)	Copper	(B)	Magnesium	(C)	Zinc	(D)	Lead
34.	Meta	al with low melti	ng po	int is :				
	(A)	Lead	(B)	Tin	(C)	Zinc	(D)	All the above
35.	Galv	anization is the	proces	s of coating :				
	(A)	Tin	(B)	Zinc	(C)	Nickel	(D)	Copper
36.	Age	hardening of no	n-ferro	ous metals is call	ed :			
	(A)	Case hardening	g	(B)	Nitr	iding		
	(C)	Precipitation h	ardeni	ing (D)	Surf	ace hardening		
37.	Dolo	omite is an impor	rtant o	ore of :				
	(A)	Lead	(B)	Copper	(C)	Magnesium	(D)	Aluminium
38.	The	process of makir	ng blin	d holes is :				
	(A)	Piercing	(B)	Punching	(C)	Blocking	(D)	Bending
								Spiriture 1
39.	The	process of hamn	nering	a heated bar into	o align	ed die cavity is c		
	(A)	Press forging	(B)	Drop forging	(C)	Roll forging	(D)	Rotary forging
40.	Pitti	ng of the forging	surfa	ce is caused by :				
	(A)	Slag	(B)	Over heating	(C)	Scale	(D)	Low heating
41.	The	defect occurred	in som	ne alloy steel due	to rap	old cooling from f	orging	temperature is :
	(A)	Creep	(B)	Flakes	(C)	Cracks	(D)	Dents
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42.	The	defect caused by	mica	lianment between	ton .	and hottom	Constant	a dian	i		
14.				lignment betweer			orgin	170.00			
	(A)	Fins and rags	(B)	Die shift	(C)	Cracks		(D)	Hair cracks		
43.	Cim	plo way to some	1	la 6 6 d							
45.				le from a forged p							
	(A)	440 SERVE		mpressed air (B)	Pick	ding					
	(C)	Tumbling proc	ess	(D)	Blas	t cleaning					
44.	The	final treatment a	fter fo	orging is done to	:						
	(A)	Remove stresse	s	(B)	Mal	ke the forged	d parts	cool			
	(C)	Make the forgi	ng hai	rd and tough (D)	To	lear cracks			1 1 10		
45.	Flat	forging of gear b	lanks	are usually done	by:				THE STREET		
	(A)	Upsetting	(B)	Downsetting	(C)	Hammerii	10	(D)	Squeezing		
	2. 0		, ,		120	ouseal.	0	1-7	odecrans		
46.	During tempering, forged parts are cooled using :										
		Oil	(B)	Water	(C)	Air		(D)	Carlest		
	(2.1)	Process of	(0)	Water	(0)	All		(D)	Coolants		
477	The										
47.				esses for freeing t	he wo		m a di	e is ca	illed :		
	(A)	Die set	(B)	Knock out	(C)	Stroke	1	(D)	Stripper		
48.	The	process of thinn d:	ing th	ne walls of a she	ll by i	forcing it th	rough	a di	e with a punch is		
		Bending	(B)	Rolling	(C)	Re-drawin	•	(D)	Yearston		
	()	and the same of th	(3)	Rolling	(0)	Ne-diawiii	8	(D)	Ironing		
49.	Veen										
27.		ncy is:									
	(A)	Point defect	(B)	Line defect	(C)	Surface de	fect	(D)	Volume defect		
50.	Whi	ch one of the belo	w is t	used to eliminate	coarse	grained str	ucture	:			
	(A)	Annealing	(B)	Tempering	(C)	Cyaniding		(D)	Normalising		
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51.	Que	nching is the proce	ss of	: , o , p = 1 h					
	(A)	Rapid cooling of	meta	ls	(B)	Slow	cooling of meta	ls	
	(C)	Intermediate cool	ing o	f metals	(D)	Heat	ing of metals		
52.	The	ability of the mater	rial to	resist defo	rmati	on is :			
	(A)	Ductility	(B)	Creep		(C)	Fatigue strengt	h (D)	Stiffness
				2					
53.		son's ratio is the ra							
	(A)	Strain to longitud			(B)		sverse strain to		
	(C)	Longitudinal stre	ss to	axial strain	(D)	Long	titudinal stress to	o straii	n
54.	For	ductile materials, fa	actor	of safety is	:				
	(A)	Ultimate stress Design stress	(B)	Induced st Design str		(C)	Yield stress Design stress	(D)	Design stress Yield stress
55.	Carl	oon content in cast	iron	is:					
	(A)	3.2 – 5.2%	(B)	2.1 - 4.5%		(C)	8.3-9.2%	(D)	1.2-2%
56.	The	hardest known ma			igy.	1			
	(A)	High speed steel	(B)	Carbides		(C)	Ceramics	(D)	Diamond
-7	TL	ability of a materia	1 11	to the die		ata the			
57.		ability of a materia						(D)	D
	(A)	Hardness	(B)	Tensile stre	engtn	(C)	Creep	(D)	Ductility
58.	Allo	ying of vanadium	incre	ases:					
	(A)	Toughness and w	ear r	esistance of	f steel				
	(B)	Hardenability of	steel						
	(C)	Oxidation resistar	nce o	f steel					
	(D)	Corrosion resista	nce						
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59.	The	purest iron is :						
	(A)	Wrought iron	(B)	Pig iron	(C)	Electrolytic iron	(D)	Cast iron
60.	TTT	stands for :						
	(A)	Time Temperat	ure T	ransformation				
	(B)	Temperature To	oughn	ess Time				
	(C)	Toughness Tran	nsform	nation Time				
	(D)	Total Time Trai	nsforn	nation				
61.	The v	welding accompa	nied	by the applicat	tion of p	ressure is :		
	(A)	Gas welding	(B)	Fusion weldi	ng (C)	Plastic welding	(D)	Arc welding
62.	The c by :	hange of state of	alloys	due to variation	on in ten	nperature and con-	centra	ition is represented
	(A)	Phase rule		(E	B) Pha	se diagram		
	(C)	Equilibrium dia	gram	(I	O) Graj	phs		
63.	The fi	uel used in heart	h is:					
	(A)	Coke	(B)	Wood	(C)	Methane	(D)	Oil
64.	The fo	orging temperatu	tre of	wrought iron	is:			
	(A)	800 – 1150°C	(B)	900 - 1300°C	(C)	750-1250°C	(D)	400-500°C
65.	An Er	nglish anvil has :						
	(A)	Two beaks	(B)	No beaks	(C)	Three beaks	(D)	One beak
66.	Swage	e block is made o	of:					
	(A)	Mild steel	(B)	HSS	(C)	Cast iron	(D)	High carbon steel
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67.	Oper	n mouth tong is u	sed to	hold:				*
	(A)	Heavier stock		Round stock	(C)	Square stock	(D)	Ductile stock
68.	Cold	chisel has a cutti	ng an	gle of :				
	(A)	45°	(B)	30°	(C)	50°	(D)	60°
69.	Neck	ding down of a we	ork is	done by :				
	(A)	Set hammer	(B)	Punches	(C)	Fullers	(D)	Square punch
70.	Rofo	re scarf welding t	ha an	de of work pieces	are :			
70.					-	Titled	(D)	Cooled
	(A)	Made square	(B)	Rounded	(C)	Filed	(D)	Cooled
71.	The	forging machine	worki	ng by pressure ar	e calle	ed:		
	(A)	Hammers		(B)		sure hammers		
	(C)	Presses		(D)	Ram	ming machine		
72.	The	common mass of	Anvil	is about :		1.000		
	(A)	150 kg	(B)	200 kg	(C)	100 kg	(D)	250 kg
73.	The	vice commonly us	sed in	smithy is:				
	(A)	Hand vice	(B)	Bench vice	(C)	Carpenter's vice	(D)	Leg vice
74.	The	angle of double c	ut file	is:				
	(A)	60° and 80°	(B)	60° and 70°	(C)	80° and 50°	(D)	45° and 60°
75.	The	material for hack	saw b	lade is :				
	(A)	HCS	(B)	HSS	(C)	Tool steel	(D)	Vanadium steel
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76.	Prick punch has an approximate included angle of :								
	(A)	30°	(B)	90°	(C)	35°	(D)	40°	
77.	Leas	t count of steel ru	le is :					The Carrier	
	(A)	0.5 mm	(B)	0.05 mm	(C)	0.25 mm	(D)	0.1 mm	
78.	For s	mithy operation a			mall v	vork piece is :		The Property	
	(A)	Bench vice	(B)	Hand vice	(C)	Bick iron	(D)	Leg vice	
79.	Tool	used to lovel and	Gintal	the comment of fi		form to a			
/9.		used to level and				The least to		Sept Sept Sept Sept Sept Sept Sept Sept	
	(A)	Set hammer	(B)	Fuller	(C)	Drift	(D)	Swage	
80.	Effec	tive length of a fi	lo ic tl	ne distance from					
	(A)	Point to the heel		(B)		of handle to the p	oint		
	(C)	Tang to edge		(D)		to point	onit	1 a a	
	(0)	rang to edge		(D)	Tang	; to point			
81.	The l	River which origin	nated	from the "Gavm	ukh"	cave of Himalaya		ty at a part	
	(A)	COLUMN TO THE RES	(B)	Brahmaputhra		***	(D)	Tapti	
	, ,		,	uniona action		noted year lie			
82.	The l	Indian Museum si	ituate	d in the place of					
	(A)	Kolkatta	(B)	Mumbai	(C)	Delhi	(D)	Kanpur	
			No.	nem store					
83.	The i	institution which	ealcul	ates India's natio	nal in	ncome :			
	(A)	Central Statistica	d Org	anisation (B)	Planı	ning Commission			
	(C)	National Develo	pmen	t Council (D)	Finar	nce Ministry			
84.	Natio	onal Rural Employ	yment	Guarantee Act	vas pa	assed in the year			
	(A)	2004	(B)	2006	(C)	2008	(D)	2005	
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85	. Th	e architect of first five	year plan	of India	is:				
	(A	) R. Rangarajan		(B)	K.N	I. Raj			
	(C	J.C. Kumarappa		(D)		Mahalanobis			
86.	The	e Cashewnut Research	Station of	Kerala	is exis	ted in :			
	(A)	Panniyur (B	) Vellanil	kkara	(C)	Anakkayam	(D)	Pattambi	
87.	'As	htamudi kayal' existed	d in the dist	trict of :	un e				
	(A)	Kottayam (B	) Ernamk	ulam	(C)	Alappuzha	(D)	Kollam	
88.	The	District with least coa	astal plains	:					
	(A)	Ernamkulam (B)	Kollam		(C)	Kannur	(D)	Kasaragode	
89.	The	town 'Cheruthuruthy	' situated o	n the R	iver ba	ink of :			
	(A)					Periyar	(D)	Chaliyar	
90.	Nan	ne the agitation started	l in Kerala	as a pro	otest ag	ainst the consti	tutional	l reforms of 1932	
	(A)	Channar revolt		(B)		ur riot		2 2702	•
	(C)	Punnapra vayalar a	gitation	(D)	Niva	thana agitation	1		
91.	The	founday of (Poul				March State			
,1.	Year	founder of 'Prathyaks	ha Kaksha						
	(A)	Ayyankali		(B)		t Karuppan			
	(C)	Kumara Guru		(D)		ranasan			
2.	Who	conducted 'Yachana ramme of educational	Yathra' fro	om Tric		Kasaragode t			
	(A)	Poikayil Yohannan		(B)	Dr.Pal	nu.			
	(C)	V.T. Vattatirippad		V.027845000 0		mpi Swamikal			
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								{P.T.O.}	

93.	Identify the founder of 'Ananda Mahasabha' :									
	(A)	Ayya Vaikundar		(	B)	Kum	aranasan			
	(C)	Brahmanada Siv	ayogi	i (	(D)	Manı	nathu Padmanal	bhan		
94.	Whe	n did Father Kuri	akose	Elias Chavai	ra wa	s bea	tified by Pope Jo	hn Pa	ul II ?	
	(A)	1986	(B)	1976		(C)	1982	(D)	1988	
95.	The	district which firs	tly de	clared as 'Sm	noke l	Free I	District' in India			
	(A)	Kottayam	(B)	Kozhikkode	:	(C)	Ernamkulam	(D)	Alappuzha	
96.	Nam	ne the literary wor	rks w	hich secured	Oda	kkuzl	nal award in 201	3:		
	(A)	Marupiravi			(B)		ushyanu Oru Ai		nm	
	(C)	Aarachar			(D)	Amn	nakku Oru Thar	attu		
97.	The	first Malayalam U	Inive	sity of Kerala	a is s			:		
	(A)	Kannur	(B)	Kozhikode		(C)	Palakkad	(D)	Malappuram	
98.	How	w many digits con-	sists i	n the unique	id n	ımbe	r of AADHAR?			
	(A)		(B)	12		(C)		(D)	13	
99.		eration New Daw			of st			(D)	Condan	
	(A)	Afganisthan	(B)	Iran		(C)	Iraq	(D)	Sudan	
100.	The	Bodo language is	spok	en in the state	e of :					
	(A)	Mizoram			(B)	Trip	ura			
	(C)	Arunachal Prac	lesh		(D)	Assa	am			
					000	) -	- 1			

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