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1.	Whic	h non-ferrous r	netal is	reddish in	colour	?			
	(A)	Aluminium	(B)	Gold		(C)	Mild Steel	(D)	Copper
2.	Argo	on gas cylinder	is pain	ted with					
	(A)	Blue colour	(B)	Grey colo	ur	(C)	Black colour	(D)	Maroon colour
3.	Whic	ch metal has hiş	ghest m	elting poin	t?				
	(A)	Tungsten	(B)	Aluminiu	ım	(C)	Bronze	(D)	Cast Iron
4.		ch one of the	weldir	g machine	es give	en bel	ow can be us	ed for	both AC and DC
	(A)	Engine driven	weldir	ig generato	r (B)	Moto	or driven weldi	ng gene	erator
	(C)	Welding trans	former		(D)	Weld	ling rectifier		
5.	Whi	ch one is suitab	le for r	esistance w	elding	?			
	(A)	Manual Metal	Arc W	elding	(B)	TIG	Welding		
	(C)	MIG Welding			(D)	Spot	Welding		
6.	It is	the distance be-	tween I	Electrode ar	nd base	e meta	l while welding	g is call	ed:
	(A)	Arc Distortion	n (B)	Blow Hol	le	(C)	Arc Length	(D)	Arc Blow
7.	The	energy source	of Ther	nit Weldin	g is :				
	(A)	Mechanical E	nergy		(B)	Che	mical Energy		
	(C)	Electrical Ene	rgy		(D)	Nor	e of these		
8.	Stat	e the nozzle size	e you v	vill select to	weld	a 3.15	mm thick mild	steel s	heet:
	(A)	3	(B)	5		(C)	7	(D)	10
9.	The	measuring inst	rument	used in re	sistanc	e :			
	(A)		(B)	Voltmete		(C)	Lactometer	(D)	Ohm meter

10.	Which are the two metals contained in a solder ?										
	(A)	Tin and Lead		(B)	Cop	per and Lead					
	(C)	Copper and Tir	1	(D)	Iron	and Chromium					
11.	Rect	tifier is used for o	conve	rting							
	(A)	DC to AC	(B)	DC to DC	(C)	AC to AC	(D)	AC to DC			
12.		which terminal	of th	e D.C machine	the e	lectrode cable is	coni	nected in straight			
	(A)	Positive	(B)	Negative	(C)	Neutral	(D)	None of these			
13.	All	oxygen regulator	conn	ection has	th	readed.					
	(A)	Left hand	(B)	Right hand	(C)	V type	(D)	None of these			
14.	How	v much current ye	ou wil	l set for 4 MMØ	medi	um coated mild s	teel el	ectrode ?			
	(A)	90 to 110 amp	(B)	180 to 200 amp	(C)	150 to 170 amp	(D)	70 to 90 amp			
15.	Wha	at is the percentag	ge carl	oon present in mi	ld ste	el?					
	(A)	0.15 to 0.3%	(B)	0.05 to 0.1%	(C)	0.5 to 0.8%	(D)	0.8 to 1.4%			
16.	Α_	Flame is	reco	mmended when	prehea	ating of oxy-acety	lene o	cutting method.			
	(A)	Oxidizing	(B)	Neutral	(C)	Carburizing	(D)	CO ₂			
			M9205	Lagranica continued							
17.	Boili	ing point of Oxyg	gen _								
	(A)	−195.8°C	(B)	-188.7°C	(C)	−182.9°C	(D)	−172.8°C			
18.	The	frequency of AC	is	Cycle/se	cond.	maker 1 die					
	(A)	40	(B)	50	(C)	60	(D)	70			
19.	Nam	ne the heat treatm	ent pi	ocess used to imp	prove	softness and duct	ility i	n mild steel :			
	(A)	Annealing	(B)	Normalizing	(C)	Tempering	(D)	Hardening			
20.		at should be the di	istance	e between the tip	of the	cutting nozzle fro	om the	e top surface of the			
	(A)	5 mm	(B)	3 mm	(C)	2 mm	(D)	7 mm			

21.	The substances through which electricity does not pass are called										
	(A)	Conductors	(B)	Insulators		(C)	Bad Conduct	ors (D)	Bad Insulators		
22.	The	function of a ga	is regul	lator is to _							
	(A)	get different ty	pes of	flames							
	(B)	mix the gases	in the r	equired pro	portic	on					
	(C)	change the vol	ume of	gas flowing	g to th	ne blov	w pipe				
	(D)	set the workin	g press	ure							
23.		ch weld defect o	ccurs o	n a lap fillet	joint	due to	improper wea	ving of	the electrode in the		
	(A)	Crack			(B)	Und	ercut				
	(C)	Edge of plate i	melted	off	(D)	Lack	of fusion				
24.		is the dist		etween the e	nd of	this o	contact tube an	d the tip	of the electrode in		
	(A)	Arc Length	(B)	Long Arc		(C)	Arc Blow	(D)	Stick Out		
25.	A ch	nemical powder	or past	e used to di	ssolve	oxid	e is called :				
		Slag			(B)		minium Powde	er			
	(C)	Flux			(D)	Iron	Oxide				
26.	The	coating factor u	sed to	make medii	um co	oated o	electrode is				
		1.4 to 1.5					1.6 to 2.2	(D)	Above 2.2		
27.	Whi	ch type of flame	is use	d for weldin	ıg alu	miniu	m ?				
	(A)	Strictly neutra	l flame	e - 1	(B)	Oxio	dizing flame				
	(C)	Carburizing fl	ame		(D)	Sligh	ht Carburizing	flame			
28.	Wha	at is the maximu	ım lene	rth of a stub	end	as per	standard ?				
		20 to 30 mm	1000	30 to 40 m			40 to 50 mm	(D)	60 to 70 mm		

29.	The percentage of carbon in acetylene gas is										
	(A)	99%	(B)	92%		(C)	89%	(D)	85%		
30.	The	size of the no	zzle to be	selected fo	r gas w	elding	process varies	accordi	ng to the		
	(A)	thickness of	f metal		(B)	weld	ding position				
	(C)	size of filler	rod		(D)	pres	sure of Gas				
31.	Wha	at defect is ca	used by g	as entrapn	nent in	arc w	elding process	?			
	(A)	Crack	(B)	Slag		(C)	Lack of fusion	on (D)	Porosity		
32.	The	angle of blow	v pipe to t	he line of	weld in	leftw	ard welding to	echnique	is:		
	(A)	40 to 50°	(B)	50 to 60°		(C)	60 to 70°	(D)	70 to 80°		
33.	Whatouc	at is the name hing the elect	of the un trode with	it of a TIG the base	weldin metal ?	g mac	hine which he	lps to str	ike the arc wi	thou	
	(A)	Wire feeder			(B)	High	n frequency ur	nit			
	(C)	Shielding ga	as		(D)	DC :	suppressor un	it			
34.	Stan	dared size of	flux coate	ed electrod	le lengt	h is :					
	(A)	350 mm, 45	0 mm		(B)	450 1	mm, 550 mm				
	(C)	250 mm, 35	0 mm		(D)	150	mm, 250 mm				
35.	Wha	t is the meltir	ng point o	f aluminiu	ım ?						
	(A)	1530°C	(B)	850°C		(C)	659°C	(D)	250°C		
36.	The	colour of Oxy	ygen cylir	nder is							
	(A)	Blue	(B)	Black		(C)	Red	(D)	Yellow		
37.	A gr	oove or chan	nal forme	d in the pa	rent m	etal at	the toe of the	weld is	called :		
	(A)	Undercut	(B)	Distortion	n	(C)	Arc Blow	(D)	Porosity		
38.	Nam	e the power s	source sui	table for w	velding	alumi	nium in TIG v	velding :			
	(A)	AC welding	machine		(B)	DC v	velding machi	ne			
	(C)	Welding ger	nerator		(D)	None	of these				

39.	then	in this joint pressed to form		1.00	sheet	ts to b	oe joined are fold	ed, ho	oked together and
	(A)	Revetting	(B)	Bolting		(C)	Soldering	(D)	Seaming
40.	The	process of hamme	ering	of the weld i	metal	immo	ediately after it is	depos	sited is called :
	(A)	Pressing	(B)	Dressing		(C)	Peening	(D)	Tinning
41.		t is the temperati							
	(A)	3100 to 3300°C	(B)	2600 to 28	00°C	(C)	3400 to 3600°C	(D)	3600 to 3800°C
42.		n the arc and mol		etal deviate (from I	heir r	egular path due i	to mag	netic disturbances
	(A)	Arc blow	(B)	Blowhole		(C)	Distortion	(D)	Porosity
43.	For	removing water v	apou	r from acetyl	ene g	as the	e material used is	s :	
	(A)	Filter wool	(B)	Steel wool		(C)	Paper filters	(D)	Pumic stone
44.	Whi	ch flux is suitable	for w	relding brass	by g	as we	lding?		
	(A)	Alotectic flux			(B)	Zinc	oxide and potas	sium (dichromate flux
	(C)	Borax flux			(D)	Non	e of these		
45.	Wha	at is the purpose o	of cop	per coating o	on the	mild	steel filler rods	?	
	(A)	To conduct the	heat f	faster					
	(B)	To avoid rusting	g of m	ild steel fille	r rod	durir	ng long storage		
	(C)	To increase the	A C 108-108-108-108-108-108-108-108-108-108-	en a - 1000 maria - 10 - 10 m					
	(D)	To give good ap	peara	ince to the fi	ller ro	od			
46.	The	welding position	of we	eld is defined	l by t	wo pa	arameters :		
	(A)	Weld slope and	weld	angle	(B)		d angle and weld		
	(C)	Weld slope and	weld	cut	(D)	Wel	d slope and weld	l rotati	on
47.	The	type of electrode	used	for welding	alum	iniun	n by TIG welding	g proce	ess is
	(A)	Pure tungsten e	lectro	de	(B)	Zirc	oniated tungsten	electr	ode
	(C)	Thoriated tungs	sten e	lectrode	(D)	Ceri	ated tungsten ele	ectrode	2

48.	What step will eliminate the undercut defect in arc welding?											
	(A)	Use buttering ru	an		(B)	Pre-l	neat the plates to	be we	elded			
	(C)	Decrease the sp	eed of	welding	(D)	Incre	ease the speed o	f weldi	ng			
49.		nanual metal arc ld contain :	weldi	ing the flux	coati	ng is	to give deep p	enetrat	ion characteristics			
	(A)	Cellulose			(B)	Man	ganese					
	(C)	Iron Oxide			(D)	Calc	ium Carbonate					
50.	Wha	at is the melting to	emper	ature of cor	per ?		favenelle					
		659°C		850°C		(C)	1930°C	(D)	1083°C			
51.	Oxy	gen is										
	(A)	Fuel Gas			(B)	Supp	orter of Combu	stion				
	(C)	An inert gas			(D)		e of these					
52.		Flame is us	sed in	Oxy-acetyle	ene ga		ding of brass.					
	(A)	Neutral		plantie!	(B)		onizing					
	(C)	Oxidizing			(D)	Non	e of these					
53.	Purr	oose of using Jigs	and F	ixtures of cl	amps	for he	olding work in v	velding	is to prevent :			
	100000	Arc Blow	(B)	Distortion	-	(C)			Undercut			
54.		Gas is gen	erated	by the read	ction o	of wat	er and calcium	carbide	2.			
	(A)	Hydrogen	(B)	Acetylene		(C)	Argon	(D)	Oxygen			
55.	Whi	ch one of the follo	owing	metals has	highe	st the	rmal conductivi	ty?				
	(A)	Zinc	(B)	Aluminiun	n	(C)	Mild steel	(D)	Copper			
56.		e metal particles	which	are thrown	out o	of the	arc during weld	ding al	ong with the weld			
	(A)	Porosity	(B)	Overlap		(C)	Spatters	(D)	Undercut			

57.	Name the non-destructive test in which sound waves of high frequency are used :										
	(A)	X-ray test	(B)	Ultrasonic	test	(C)	Gama ray te	est (D)	Fatigue test		
58.	The	angle of filler rod	to the	e work in ri	ghtwa	ard w	elding techniq	lue in ga	s welding is :		
	(A)	50 - 60°	(B)	20 - 30°		(C)	40 - 50°	(D)	30 - 40°		
59.	The	root opening on s	square	butt weldi	ng is g	given	:				
	(A)	To obtain penet	ration		(B)	Тос	ontrol the dis	tortion			
	(C)	To keep the job	alignr	nent	(D)	To n	naintain corre	ect dimer	nsion		
60.	Ther		ls by v	vhich flux c	oating	; is ap	plied on the e	lectrode	core wire which are		
	(A)	Dipping and Su	icking		(B)	Dipp	oing and Extr	usion			
	(C)	Sucking and Blo	owing		(D)	Blov	ving and Extr	usion			
61.	In ar										
	(A)	Water			(B)	Carl	oon Dioxide				
	(C)	Acetone			(D)	Mer	cury				
62.	Dep	ression formed at	the e	nd of weld	bead i	is calle	ed :				
	(A)	Blow hole	(B)	Crater		(C)	Spatter	(D)) Reinforcement		
63.	Whi	ch one of the follo	owing	is a radiog	raphic	test	?				
	(A)	X-ray test			(B)	Ultr	asonic test				
	(C)	Magnetic Partic	le test		(D)	Fatig	gue test				
64.	Оху	- Acetylene flam	e cutti	ng process	is:						
	(A)	Physical	(B)	Chemical		(C)	Thermal	(D)	None of these		
65.	For	complete combus	tion o	ne volume o	of ace	tylene	requires :				
	(A)	1.5 Volume of o	oxyger	ı	(B)	2.5	Volume of oxy	ygen			
	(C)	3.5 Volume of c	oxyger	L)	(D)	4.5	Volume of oxy	ygen			

00.	The	purpose of central not	e in the tip of	the	cutting blowpipe is :
	(A)	Supply of oxygen gas	s for pre-heati	ng	
	(B)	Supply of acetylene f	or pre - heati	ng	
	(C)	Supply of oxygen for	cutting		
	(D)	Supply of acetylene f	or cutting		
67.	On	which of the following	welding proc	esse	s the arc is not visible to welder:
	(A)	MIG (B)	GAS Weldin	ng	(C) SAW (D) SMAW
68.	Coh	umbium added electrod	le is used for	welc	ding stainless steel to prevent :
	(A)	Distortion		(B)	Excess Penetration
	(C)	Spatter	(D)	Weld Decay
69.	The	raw materials of Calci	um Carbide a	re li	ime stone and
	(A)	Quick Lime	(B)	Coke
	(C)	Calcium Oxide	(D)	Carbon monoxide
70.		th of fusion from the su	urface of the v	veld	metal is known as :
	(A)	Penetration (B)	Distortion		(C) Fusion Zone (D) Reinforcement
	10200				
71.		nless steel contains as al	lloying elemer	nts c	of:
	(A)			B)	Copper and Tin
	(C)	Chromium and Nicke	1 (D)	Iron and Carbon
	QF-ONE/A				
72.		G Welding, the shielding	ng gas used is	:	
	(A)		(1	3)	Carbon Dioxide
	(C)	Oxygen	(1	D)	Hydrogen
73.	100	xy-Acetylene process si	apply of acety	lene	
	(A)	High pressure system	(1		Medium pressure system
	(C)	Low pressure system	1))	None of these

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74.	74. Flux is not required for gas welding of								
	(A)	Copper	(B)	Brass		(C)	Mild Steel	(D)	Aluminium
75.	Whi	ch two gases from	the a	ntmosphere	must	be pr	evented from ent	ering	the weld metal ?
	(A)	Oxygen and Nit	rogen		(B)	Nitro	ogen and Argon		
	(C)	Oxygen and Arg	gon		(D)	Argo	on and Helium		
76.	Duty	cycle of welding	mach	nine is :					
	(A)	60%	(B)	50%		(C)	40%	(D)	70%
77.	The	distance between	the to	e and root o	of the	weld	is called :		
	(A)	Root run	(B)	Leg length		(C)	Arc length	(D)	Reinforcement
78.	Lack	of penetration in	Arc	welding due	e to :				
	(A)	High Current			(B)	Low	Current		
	(C)	Short Arc Lengt	h		(D)	Too	Low Welding Spe	eed	
79.	Wha	t is the Chemical	symb	ol of Acetyle	ene ?				
	(A)	C_2H_2	(B)	H ₂ O		(C)	CaC ₂	(D)	CaO ₂
80.	Whic	th type of energy	is use	d in Laser b	eam v	veldir	ng?		
	(A)	Light energy	(B)	Electrical e	nergy	(C)	Heat energy	(D)	None of these
81.	Whe	re the Jawaharlal	Nehr	u Tropical I	Botanio	c Gar	den (JNTBGRI) si	ituated	d ?
	(A)	Mannuthy	(B)	Peechi		(C)	Aluva	(D)	Palode
82.	Who	among the follow	ving r	esorted to g	guerilla	a war	fare in the revolt	of 185	57 ?
	(A)	Tantia Topi	(B)	Kanwar Si	ngh	(C)	Bhakt Khan	(D)	Nanassaheb

A

83.	The	next ICC World Cup Cricket will b	e helo	l at:
	(A)	England and Ireland	(B)	South Africa
	(C)	Australia and Newzealand	(D)	West Indies
84.	Who	was popularly known as 'Kerala	Mopa	sang' ?
	(A)	C.V. Raman Pillai	(B)	Thakazhi Sivasankara Pillai
	(C)	Changanpuzha Krishna Pillai	(D)	S.K. Pottakkad
				and appropriate to the contract
85.	Who	started 'Pan thibhojanam' (inter-d	lining) in Kerala ?
	(A)	Sree Narayana Guru	(B)	Brahmananda Sivayogi
	(C)	Vagbhatananda	(D)	Thycaud Ayya
86.	Whic	ch city is popularly known as 'Stee	l City	7
	(A)	Jamshadpur	(B)	Ranchi
	(C)	Jaipur	(D)	Visakhapattanam
87.	The :	apex level agency of 'Kudumba Sro	ee' pro	oject in Kerala :
	(A)	SHG (B) ADS		(C) CDS (D) SSA
88.	Whic	ch was the journal that functioned	as the	mouthpiece of S N D P ?
	(A)	Yoganadam	(B)	Service
	(C)	Kaumudi	(D)	Unni Nambuthiri
89.	Who	is the present Chief Minister of To	elanga	na ?
	(A)	Chandra Babu Naidu	(B)	Naveen Patnaik
	(C)	Nabam Tuki	(D)	K. Chandrasekhara Rao
90.	The	founder of 'Athma Vidhya Sangha	m' :	
	(A)	Swamy Agamananda	(B)	Vagbhadanandan
	(C)	Chattambi Swamikal	(D)	V.T. Bhattathirippad

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91.	Where did the sepoys break out in open revolt on May 10th 1857 ?											
	(A)	Kanpur	(B)	Barrakpoi	re	(C)	Berhampo	re (D)	Meerut			
92.	The	first president of	India	n National	Congr	ess w	as:					
	(A)	A.O. Hume			(B)	Dada	abhai Naord	oji				
	(C)	W.C. Banerjee			(D)	Gop	alakrishna C	Gokhale				
				W-	(9							
93.	Who	discovered the se	outh-	western ma	nsoon	1?						
	(A)	Pliny	(B)	Hippalus		(C)	Ptolomy	(D)	Erathosthenese			
94.	The	Arabean Sea and	Persia	in Gulf are	conne	ected b	y the:					
	(A)	Hormuz Strait			(B)	Palk	Strait					
	(C)	Strait of Messina	i.		(D)	Strait	of Bab-el-N	Mandeb				
95.	Who	has been chosen	for th	ne Jnanpeet	h Aw	ard 20	13 ?					
	(A)	Mahaswetha dev	vi	¥ .	(B)	Suga	thakumari					
	(C)	Ravuri Bharadw	aj		(D)	Keda	rnath Singh	1				
6.	Whi	ch Central Ministr	y con	ducts the co	ensus	every	10 year ?					
	(A)	Foreign Ministry			(B)	Defer	nce Ministry	e.				
	(C)	Home Ministry			(D)	HRI	O Ministry					
7.	Artic	ele 360 explains :										
	(A)	Special status for	Jamr	nu and Kas	hmir							
	(B)	Financial Emerge	ency									
	(C)	Internal Emerger	ncy									
	(D)	Declaration of Pr	eside	nt Rule								

98. Name the type of mosquito which spread Malaria:									
	(A)	Anopheles M	fosquito		(B)	Aede	es Aegypti		
	(C)	Ochierotatus			(D)	Cule	x		
99.	Whe	en the Second	Round T	able Confer	rence l	neld ?			
	(A)	1930	(B)	1931		(C)	1929	(D)	1932
100.		ndia the star ough :	dard tin	ne is fixed	on th	ne bas	sis of stanc	lard meridi	an which passes
	(A)	Dwaraka	(B)	Kovalam		(C)	Puri	(D)	Allahabad
					- 0 0	0 -			