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Alpha Code	<u>A</u>	Serial Number							
Total Number of Q	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.
- The Question Booklet Alpha Code allotted to you will be noted in your seating position in the 3. Examination Hall.
- If you get a question booklet where the alpha code does not match to the allotted alpha code in 4. 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.
- The question booklet will be sealed at the middle of the right margin. Candidate should not 6. 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.
- No candidate will be allowed to leave the examination hall till the end of the session and without 12. 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.		expressed the vong enough to hol								and it is
	(A)	Dr.B.R. Ambed	kar		(B)	Jaw	aharlal Nehrı	1		
	(C)	K.M. Munshi			(D)	B.N.	. Basu			
2.		among the follo	wing	was not a r	nembe	er of T	The States Reor	ganizatio	n Commissio	on set up
	(A)	Fazal Ali			(B)	K.M	I. Panikkar			
	(C)	H.N. Kunzru			(D)	Patt	abhi Sitarama	ayya		
3.	The	Lok Sabha passe	d The	Rights of Pe	ersons	with 1	Disabilities Bill	-2016 on	:	
	(A)	16 January, 201	17		(B)	16 I	December, 201	16		
	(C)	20 December, 2	2016		(D)	20 J	anuary, 2017			
4.	The	44 th Chief Justice	of In	dia is :						
	(A)	T.S. Thakur	(B)	H.L. Datt	u	(C)	J.S. Khehar	(D)	R.M. Lo	dha
5.	The	Sadhu Jana Parip	alana Y	Yogam was :	found	ed in	:			
	(A)	1901	(B)	1905		(C)	1927	(D)	1907	
6.	The	first All Kerala F	Politica	al Conferenc	ce was	held	in 1921 at :			
	(A)	Ottappalam	(B)	Tirur		(C)	Kozhikode	(D)	Manjeri	
7.	Saho	dara Sangham wa	s four	nded in 191	7 by :					
	(A)	K. Kelappan			(B)	K. <i>A</i>	Ayyappan			
	(C)	Ayyankali			(D)	C.V	. Kunhiramaı	ı		
8.	The	editor of the nev	vspape	er Mitavadi	was:					
	(A)	T.K. Madhavar	າ		(B)	A.K	. Gopalan			
	(C)	C. Krishnan			(D)	P. K	Krishna Pillai			
9.		hich case the Sup ot a part of the C			lia opi	ned tl	nat the Preaml	ole of the	Indian Cor	stitution
	(A)	LIC of India Ca	ise		(B)	Beru	ıbari Union C	Case		
	(C)	Kesavananda E	Bharati	i Case	(D)	Nan	navati Case			
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										{P.T.O.}

10.	Who	was selected as	the "I	Person of th	ne Year	2016	" by the T	ime Ma	agazin	ne?	
	(A)	Donald Trump	(B)	Narendra	Modi	(C)	Vladimii	Putin	(D)	Hillary C	linton
11.	Who	described the 'P	reaml	ole of the Ir	ndian (Consti	tution' as	the 'Ke	y-note	e' ?	
	(A)	Lord Mountbat			(B)		R. Ambe				
	(C)	Jawaharlal Neh	ıru		(D)	Erne	est Barker				
12.		o criticised the 'C embly as "wrong,	,							in the Cor	stituent
	(A)	Hazrat Mohani			(B)	Muh	nammed A	ali Jinna	ì		
	(C)	M.R. Jayakar			(D)	Dr.B	3.R. Ambe	dkar			
13.	The	present Speaker	of the	Bangladesl	h Parlia	amen	t is :				
	(A)	Shamsul Huda	Chow	dhury	(B)	Shal	n Abdul H	lamid			
	(C)	Dr. Shirin Shar	min C	Chaudhury	(D)	Hun	nayun Ras	sheed C	Chowd	lhury	
14.	The	second Ezhava M	1emor	ial was sub	omitted	l to:					
	(A)	Lord Curzon			(B)	Sri N	Mulam Tir	unal R	ama V	⁷ arma	
	(C)	Rama Varma V	isakaı	n Tirunal	(D)	Lord	l Mountba	atten			
15.	The	Secretary Genera	l of U	NO is :							
	(A)	Ban ki-moon			(B)	Anto	onio Gutei	rres			
	(C)	Kofi Annan			(D)	Ami	na Mohar	nmed			
16.		Supreme Court ong judge, Justice (-	court	notice aga	ainst the
	(A)	Delhi High Cou	ırt		(B)	Mad	ras High	Court			
	(C)	Kerala High Co	ourt		(D)	Calc	utta High	Court			
17.	The	organization call	ed the	e Samyukta	Rashtri	iya Sa	miti was f	ormed	in cor	nnection w	ith :
	(A)	Aikya Kerala M	lovem	ent	(B)	Abst	tention Mo	ovemen	ıt		
	(C)	Guruvayur Sat	yagral	na	(D)	Vaik	kom Saty	agraha			
18.	Sami	atava Samajam we	ıs esta	blished in	:						
	(A)	1836	(B)	1846		(C)	1826		(D)	1850	
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19.	The	present Director	Gener	al of the W	orld T	rade	Organization is	:		
	(A)	Pascal Lamy			(B)	Hars	sha Singh			
	(C)	Roberto Azevec	lo		(D)	Karl	Brauner			
20.	The	20 th Chief Electio	n Cor	nmissioner	of Ind	lia is :				
	(A)	V.S. Sampath			(B)	H.S.	Brahma			
	(C)	Om Prakash Ra	ıwat		(D)	Dr.	Nasim Zaidi			
21.	The	term modular ra	tio of	the two ma	terials	s is ra	tio of			
	(A)	linear stress to l	ateral	stress	(B)	their	r modulus of rigi	dities		
	(C)	their modulus o	f elast	ricities	(D)	shea	r stress to shear	strain		
22.		olt is made to pas ner and nuts. If t				ends	of them are tigh	tly fitte	ed with the	e help of
	(A)	Bolt is under ter	nsion	and tube is	undei	comp	pression			
	(B)	Bolt is under co	mpres	sion and tu	be is	under	tension			
	(C)	Bolt and tube as	re und	ler tension						
	(D)	Bolt and tube ar	re unc	ler compres	sion					
23.		en a force is acting	_	•	ıgh ax	cially,	the strain develo	oped in	the perpe	ndicular
	(A)	Linear strain	(B)	Lateral str	rain	(C)	Shear strain	(D)	Volumet	ric strain
24.	A ca	ntilever beam is l	oaded	l with point	load	at free	e end, the bendir	ng mon	nent at the	free end
	(A)	Zero	(B)	Maximum	ı	(C)	Minimum	(D)	Unity	
25.	The	shape of bending	mom	ent diagran	n for a	simp	ly supported bea	ım loac	ded in its c	enter is :
	(A)	A rectangle			(B)	An o	equilateral triang	gle		
	(C)	A right angled	triang	le	(D)	An i	sosceles triangle	!		
26.	The	purpose of spring	gs in b	orakes and o	clutch	es are	:			
	(A)	To absorb shock	(S		(B)	To s	tore strain energ	y		
	(C)	To measure force	ce		(D)	То а	pply force			
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27.	The	object of caulking	g in a	riveted joi	nt is to	make	the joint :		
	(A)	Free from stress	es		(B)	Free	from corrosion		
	(C)	Leak proof			(D)	Тор	prevent crack		
28.	A co	olumn that fails d	ue to o	direct stres	ss only	is call	ed :		
	(A)	Short column	(B)	Long col	lumn	(C)	Weak column	(D)	Medium column
29.	Lam	e's theory is asso	ciated	with:					
	(A)	Thin cylindrical	shells	5	(B)	Thic	k cylindrical shel	lls	
	(C)	Direct and bend	ling st	resses	(D)	Tors	sion of shafts		
30.	The	value of compres	sive s	trength of	a brittl	le mat	terial is	its	tensile strength.
	(A)	equal to	(B)	greater t	han	(C)	less than	(D)	reciprocal of
31.	The	variation in the v	olume	e of a liqui	id with	varia	tion of pressure is	s called	d its:
	(A)	Surface tension	(B)	Compres	ssibility	(C)	Capillarity	(D)	Viscosity
32.	A Pi	tot tube is used to	o mea	sure the :					
	(A)	velocity of flow	at the	required	point ii	n a pi	ре		
	(B)	pressure differe	nce be	etween tw	o point	s in a	pipe		
	(C)	total pressure of	liqui	d flowing	in a pip	oe -			
	(D)	discharge throu	gh a p	pipe					
33.	Coef	fficient of contrac	tion is	the ratio	of:				
	(A)	Actual velocity	of jet	at vena co	ontracta	to th	eoretical velocity		
	(B)	Loss of head in	the or	rifice to the	e head	of wa	ter available at th	e exit	of the orifice
	(C)	Actual discharg	e thro	ugh an or	rifice to	the t	heoretical dischai	ge	
	(D)	Area of jet at ve	ena co	tracta to t	he area	of or	ifice		
34.	An c	orifice is said to be	e large	e if:					
	(A)	The size of orific	ce is la	arge					
	(B)	The velocity of f	low is	s large					
	(C)	The available he	ead of	liquid is r	nore th	an fiv	e times the diame	eter of	orifice
	(D)	The available he	ead of	liquid is l	ess thar	n five	times the diamet	er of o	rifice

35.		opening in the sop edge of the				ch tha	t the liquid su	rface wit	h the tank is below
	(A)	Weir	(B)	Notch		(C)	Orifice	(D)	Pipe flow
36.	Reyı	nolds number i	s the rati	io of the ir	nertia fo	orce to	the :		
	(A)	Surface tension	on force		(B)	Visc	ous force		
	(C)	Gravity force			(D)	Elas	tic force		
37.	Whi	ch of the follov	ving pun	nps is suita	able for	smal	ll discharge an	d high he	eads ?
	(A)	Centrifugal p	ump		(B)	Axia	al flow pump		
	(C)	Mixed flow p	oump		(D)	Reci	procating pun	np	
38.	Whi	ch of the follov	ving hyd	lraulic uni	ts work	s on	the principle o	f Pascal's	s law ?
	(A)	Air lift pump			(B)	Jet p	oump		
	(C)	Hydraulic co	upling		(D)	Hyd	lraulic press		
39.	A hy	draulic ram is	a device	used to:					
	(A)	Store the ener	rgy of w	ater					
	(B)	Increase the p	oressure	of water					
	(C)	To lift small o	quantity	of water to	o greate	er hei	ght		
	(D)	To lift water	from dee	ep well					
40.		amount of he		ed to rais	e the t	empe	rature of	v	vater through one
	(A)	1 gram	(B)	10 gram		(C)	100 gram	(D)	1000 gram
41.	The	sum of interna	l energy	and the p	roduct	of pre	essure and vol	ume is kr	nown as :
	(A)	Work done	(B)	Entropy		(C)	Enthalpy	(D)	External energy
42.	The	heat energy sto	red in the	e gas and u	ısed foı	raisir	ng the temperat	ture of the	e gas is known as :
	(A)	Heat energy	(B)	Internal	energy	(C)	Kinetic energ	gy (D)	Molecular energy
43.	The	hyper bolic pro	ocess is g	overned b	y :				
	(A)	Boyle's Law			(B)	Cha	rles' Law		
	(C)	Gay-Lussac's	Law		(D)	Avo	gadro's Law		
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44.	The	compression rati	o is th	e ratio of :					
	(A)	Swept volume	to Tota	al volume					
	(B)	Total volume to	Swep	ot volume					
	(C)	Swept volume	to Cle	arance volu	me				
	(D)	Total volume to	o Clea:	rance volun	ne				
45 .	The	compression rati	o for p	etrol engin	e is :				
	(A)	3 to 6	(B)	5 to 8		(C)	15 to 20	(D)	20 to 30
46.		ermodynamic cy tropic process is		_	one co	onstar	nt pressure, one	constar	nt volume and two
	(A)	Carnot Cycle	(B)	Sterling C	Cycle	(C)	Otto Cycle	(D)	Diesel Cycle
47.	The	calorific volume	of gas	eous fuel is	expre	ssed i	n :		
	(A)	kJ	(B)	kJ/kg		(C)	kJ/m ³	(D)	kJ/m ²
48.	The	thermodynamic	prope	rty like tem	peratu	ıre is 1	measured on ba	sis of:	
	(A)	Zeroth law of t	thermo	odynamics	(B)	First	law of thermo	dynami	С
	(C)	Second law of	therm	odynamics	(D)	Thir	d law of therm	odynam	ics
49.	Whi	ch of the following	ng is a	water tube	boile	r ?			
	(A)	Lancashire boil	ler		(B)	Babo	cock and Wilco	x boiler	
	(C)	Locomotive boi	ler		(D)	Cocl	hran boiler		
50.	An e	economizer is ins	talled	in a boiler j	primai	rily to	:		
	(A)	Super heat the	steam		(B)	Red	uce the fuel cor	sumpti	on
	(C)	Increase the ste	eam pr	essure	(D)	Indi	cate steam leve	1	
51.	The	actual power ger	nerate	d in the eng	gine cy	linde	r is called :		
	(A)	Brake power			(B)	Indi	cated power		
	(C)	Frictional power	er		(D)	The	rmal power		
52.	The	energy conversion	on take	es place in s	team 1	nozzle	e is :		
	(A)	Heat energy of	steam	into Kineti	c ener	gy			
	(B)	Kinetic energy	of stea	ım into Hea	t ener	gy			
	(C)	Heat energy of	steam	into Potent	tial en	ergy			
	(D)	Potential energ	y of st	eam into H	eat en	ergy			

53.	The	thermodynamic	cycle (on which th	ie petr	ol eng	gine works :		
	(A)	Joule Cycle	(B)	Rankine (Cycle	(C)	Otto Cycle	(D)	Sterling Cycle
54.	The	air-fuel ratio of t	he pet	rol engine i	s cont	rolled	by:		
	(A)	Injector	(B)	Governor		(C)	Spark plug	(D)	Carburettor
55.	The	unit of thermal d	liffusiv	vity is:					
	(A)	m/hK	(B)	m/h		(C)	m ² /h	(D)	m ² /hK
56.	The	automobile radia	ntor is	a heat exch	nanger	of:			
	(A)	Parallel flow ty	pe		(B)	Cou	nter flow type		
	(C)	Cross flow type	9		(D)	Rege	enerator type		
57.	Bell-	Coleman cycle is	a:						
	(A)	Reversed Joule	cycle		(B)	Reve	ersed Otto cycle	9	
	(C)	Reversed Ranki	ine cy	cle	(D)	Reve	ersed Carnot cy	vcle	
58.	The	lead screw of a l	lathe v	vith nut for	rm a		pair.		
					_		ı		
	(A)	Rolling pair	(B)	Sliding pa		(C)	Screw pair	(D)	Turning pair
59.	, ,		(B)	Sliding pa			-	(D)	Turning pair
59.	, ,	Rolling pair	(B)	Sliding pa		(C)	-	(D)	Turning pair
59.	V-be	Rolling pair elts are usually us	(B) sed for	Sliding pa	air	(C) Shor	Screw pair	(D)	Turning pair
59.60.	V-be (A) (C)	Rolling pair Its are usually us Long drives	(B) sed for	Sliding pa	(B) (D)	(C) Shor Spro	Screw pair t drives cket drives	, ,	
	V-be (A) (C)	Rolling pair elts are usually us Long drives Long and short	(B) sed for drive	Sliding pa	(B) (D)	(C) Shor Spro	Screw pair t drives cket drives meter in millim	, ,	
	V-be (A) (C)	Rolling pair Its are usually us Long drives Long and short ratio of the numl	(B) sed for drive	Sliding pa	(B) (D)	(C) Shor Spro le dian Mod	Screw pair t drives cket drives meter in millim	, ,	
	V-be (A) (C) The (A) (C)	Rolling pair Its are usually us Long drives Long and short ratio of the numl Circular pitch	(B) sed for driver	Sliding pa	(B) (D) ch circ (B) (D)	Shor Spro le dia Mod Add	Screw pair t drives cket drives meter in millim ule endum	, ,	
60.	V-be (A) (C) The (A) (C)	Rolling pair elts are usually us Long drives Long and short ratio of the numl Circular pitch Diametrical pit	(B) sed for drive ber of ch	Sliding pa	(B) (D) ch circ (B) (D)	Shor Spro le diai Mod Add	Screw pair t drives cket drives meter in millim ule endum	eter is c	
60.	V-be (A) (C) The (A) (C) Which	Rolling pair Its are usually us Long drives Long and short ratio of the numl Circular pitch Diametrical pit ch of the following	(B) sed for driver ber of ch I gap	Sliding pa	(B) (D) ch circ (B) (D)	Shor Spro le diar Mod Add vasher Prov	Screw pair t drives cket drives meter in millim ule endum	eter is c	alled :
60.	V-be (A) (C) The (A) (C) Which (A) (C)	Rolling pair Its are usually us Long drives Long and short ratio of the numl Circular pitch Diametrical pit ch of the followin Fill up the axial	(B) sed for driver ber of ch ng is to I gap g area	Sliding pa	(B) (D) ch circ (B) (D) of a w (B) (D)	Shor Spro le diar Mod Add vasher Prov Abso	Screw pair t drives cket drives meter in millim ule endum ? ide cushioning orb shocks and	eter is c	alled :
60. 61.	V-be (A) (C) The (A) (C) Which (A) (C)	Rolling pair lets are usually use. Long drives Long and shorteratio of the number of the number of the following of the axial provide bearings.	(B) sed for driver ber of ch I gap g area	Sliding pa	(B) (D) ch circ (B) (D) of a w (B) (D)	Shor Spro le dian Mod Add vasher Prov Abso	Screw pair t drives cket drives meter in millim ule endum ? ide cushioning orb shocks and	effect vibratio	alled :

63.	The	size of a gear is t	ısually	specified b	y:					
	(A)	Pressure angle			(B)	Diar	netrical pitch			
	(C)	Circular pitch			(D)	Pitcl	n circle diamete	er		
64.	The	fuel used in a bla	ast fur	nace is :						
	(A)	Coal	(B)	Coke		(C)	Wood	(D)	Producer gas	
65.	The	machinability of	steel i	s improved	by ad	ding :				
	(A)	Nickel			(B)	Chr	omium			
	(C)	Nickel and Chi	romiur	n	(D)	Sulp	hur, Lead and	Phosph	orus	
66.	Age	hardening is rela	ated to):						
	(A)	Duralumin	(B)	Brass		(C)	Copper	(D)	Silver	
67.	Mon	el metal is an all	oy of :							
	(A)	Nickel and Ch	romiur	n	(B)	Cop	per and Chron	nium		
	(C)	Nickel and Cop	oper		(D)	Nick	kel, Chromium	and Iro	n	
68.	A m	ortise gauge is a	:							
	(A)	Striking tool	(B)	Plaining to	ool	(C)	Boring tool	(D)	Marking tool	
69.	Rido	lle is used for :								
	(A)	Smoothing and	cleani	ing out dep	ressio	n in tl	ne mould			
	(B)	Cleaning the m	ouldir	ng sand						
	(C)	Moistening the	sand a	around the	edge 1	before	removing patt	ern		
	(D)	Reinforcement	of san	d in the top	part	of mo	ulding box			
70.	The	fullers are used :								
	(A)	For finishing fla	at surf	aces	(B)	For	necking down	a piece o	of work	
	(C)	For punching a	hole		(D)	To f	inish the punch	ned hole		
71.	The	operation of cutt	ing a s	sheet of met	tal in a	a strai	ght line along a	a length	is known as :	
	(A)	Plunging	(B)	Notching		(C)	Slitting	(D)	Forming	
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72.	Acet	ylene gas is store	ed in t	he cylinder i	in :				
	(A)	Solid form	(B)	Gaseous fo	orm	(C)	Liquid form	(D)	Jelly form
73.	A ne	eutral flame is ob	tained	by supplyii	ng:				
	(A)	Equal volume o	of oxy	gen and acet	tylene	!			
	(B)	More volume of	f oxyg	en and less	volun	ne of a	acetylene		
	(C)	More volume of	f acety	lene and les	s vol	ume o	f oxygen		
	(D)	Equal volume o	of oxy	gen and hyd	lroger	ı			
74.	Galv	anizing is the pr	ocess	of:					
	(A)	Zinc diffusion p	oroces	s					
	(B)	Making thin ph	ospha	ite coating o	n stee	el			
	(C)	Making thin co	pper o	coating on st	teel				
	(D)	Making thin zir	nc coa	ting by hot	dippii	ng			
75.	The	cross-section of a	chise	l is usually :					
	(A)	Rectangular	(B)	Square		(C)	Hexagonal	(D)	Octagonal
76.	A ha	acksaw blade is s	pecifie	ed by its :					
	(A)	Length	(B)	Material		(C)	Width	(D)	Number of teeth
77	TT1- 0	hans of tile and d	C	: المحدد لا حجد					
77.		type of file used				(0)	D (1)	(D)	C 41 (C1
	(A)	Single cut file	(B)	Double cu	t file	(C)	Rasp cut file	(D)	Smooth cut file
78.	The	instrument which	n has a	all the featur	es of	try-sqı	uare, bevel protra	actor, r	uler and scriber is:
	(A)	Outside micron	neter		(B)	Com	nbination set		
	(C)	Inside microme	ter		(D)	Dep	th gauge micron	neter	
79.	A rii	ng gauge is used	to ·						
. , ,	(A)	Check the diam		of shaft or st	nds				
	(B)	Test the accurac			uus				
	(C)	Check the clear	•		n mat	ino su	ırfaces		
	(D)	Check thickness) IIIUL	g 30	iiiucco		
	(D)	Check unexites	, 01 31	icci					
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80.	The	temperature at which the new g	rains ar	e formed in the metal is called :
	(A)	Lower critical temperature	(B)	Upper critical temperature
	(C)	Eutectic temperature	(D)	Re-crystallization temperature
81.	Disc	ontinuous chips are formed dur	ing macl	hining of :
	(A)	Brittle metals (B) Ductile	O	O
82.	In a	centre lathe, the cutting tool is	fed in _	with reference to the lathe axis.
	(A)	Cross direction only		
	(B)	Longitudinal direction only		
	(C)	Both cross and longitudinal dis	rection	
	(D)	Any direction		
83.	The	chamfering is an operation of :		
	(A)	Embossing a diamond shaped	pattern	on the surface of the work piece
	(B)	Enlarging the diameter of a ho	le cylind	lrically
	(C)	Reducing the diameter of a wo	rk piece	
	(D)	Beveling the extreme end of a	work pie	ece
84.	In d	rilling operation, the metal is ren	noved by	y:
	(A)	Shearing	(B)	Extrusion
	(C)	Shearing and extrusion	(D)	Shearing and compression
85.	The	grinding operation is a :		
	(A)	Shaping operation	(B)	Surface finishing operation
	(C)	Forming operation	(D)	Dressing operation
86.	A pr	ocess of removing metal by pusl	hing or p	oulling a cutting tool is called :
	(A)	Up milling (B) Down n	nilling	(C) Forming (D) Broaching
87.	In u	ltrasonic machining, the metal is	remove	d by:
	(A)	Using abrasive slurry between	the tool	and work
	(B)	Direct contact of tool with the	work	
	(C)	By using an electrolyte between	n work a	and tool
	(D)	Spark erosion between the tool	l and wo	ork

88.	Chemical milling operation is performed:						
	(A)	A) On universal milling machine					
	(B)	In a tank containing an etching solution					
	(C)	On plain milling machine					
	(D)	On broaching machine					
89.	PERT stands for :						
	(A)	A) Programme Estimation and Reporting Technique					
	(B)	Programme Estimation and Review Technique					
	(C)	C) Programme Evaluation and Review Technique					
	(D)	D) Planning Estimation and Resulting Technique					
90.	Work study is mainly aimed at :						
	(A)	A) Determining the most efficient method of performing a job					
	(B)	B) Establishing the minimum time of completion of a job					
	(C)	Developing the standard method and standard time of a job					
	(D) Economizing the motions involved on the part of the workers while doing a job						
91.	Which of the following wage incentive plan is applied to all workers?						
	(A)	Gantt plan (B) Halsey p	olan	(C) Emerson's plan (D) Rowan plan			
92.	Production cost refers to sum of Factory cost and						
	(A)	Administrative overheads	(B)	Selling cost			
	(C)	Distribution overheads	(D)	Direct material cost			
93.	Military organization is known as:						
	(A)	Line organization	(B)	Functional organization			
	(C)	Line and Staff organization	(D)	Line Staff and Functional organization			
94.	Gantt chart is used for:						
	(A)	Inventory control	(B)	Material handling			
	(C)	Production schedule	(D)	Machine repair schedule			
95.	In value engineering, imported consideration is given to:						
	(A)	Cost reduction	(B)	Function concept			
	(C)	Profit maximization	(D)	Customer satisfaction			
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	(A)	Value engineering	(B)	Network analysis			
	(C)	Linear programming	(D)	Queuing theory			
97.	The	The combustion process in diesel engine is a :					
	(A)	Constant volume process	(B)	Constant pressure process			
	(C)	Constant temperature process	(D)	Adiabatic process			
98.	The a	e aluminum alloy is used in cylinder blocks because :					
	(A)	It is lighter and have good heat dissipation characteristics					
	(B)	Material cost is low					
	(C)) It does not require any cylinder lining					
	(D)	D) The piston is also made of aluminum alloy					
99.	The	e connecting rod is attached to the piston by the :					
	(A)	Cap bolt	(B)	Cap roller bearing			
	(C)	Piston pin	(D)	Rod cap			
100.	In a diesel engine, the function of a fuel injector is to:						
	(A)	Mix the fuel and air	(B)	Ignite the air fuel mixture			
	(C)	Provide flame for ignition	(D)	Spray atomized fuel in the cylinder			
	- o O o -						

Simplex method is the method used for :

96.

SPACE FOR ROUGH WORK

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