प्रश्न पुस्तिका तब तक न खोलें जब तक आपको इसके लिये निर्देशित न किया जाये । DO NOT OPEN THIS QUESTION BOOKLET UNTIL YOU ARE ASKED TO DO SO.

प्रश्न पत्र / QUESTION PAPER

Engagement of Trade Apprentices 55th batch in Ordnance Factories

3-3			
EX - ITI			Group Code : 1
Q.P. Series : C]		
ROLL NO.		Sr. No.	
निरीक्षक के हस्ताक्षर / Sig	nature of the Invigilator		
दिनांक / Date:	The state of the s	अवधि / Dura	ation : 3 घंटे / 3 Hours
समय / Time:- 10:00 AM	I to 1:00 PM	अधिकतम अंक : 15	0 / Max. Marks : 150
	SUBJECT	No. of Questions	1
	ENGLISH	15	1

	SUBJECT	No. or Questions
	ENGLISH	15
DADE I	GENERAL KNOWLEDGE	15
PART - I	MATHEMATICS	15
	APTITUDE / REASONING	15
PART - II	RELEVANT TRADE	90
	TOTAL QUESTIONS	150

निर्देश:- उत्तर देने से पहले कृपया निम्नलिखित निर्देशों को ध्यानपूर्वक पढ़ें । Instructions:- Please read the following Instructions carefully before writing your answer.

- १. सभी प्रश्न अनिवार्य है। All questions are compulsory.
- प्रत्येक प्रश्न 1 अंक का है। गलत उत्तर के लिए कोई अंक नहीं काटा जाएगा। Each question carries 1 mark. There is no negative marking for wrong answer.
- इ. प्रत्येक प्रश्न के 4 संभावित उत्तर लिखे हैं (A),(B),(C),(D) निनमें से एक उत्तर सही है। अपने उत्तर को ओ.एम,आर. उत्तर पुस्तिका पर गोला भरकर ऑक्त करें। There are four options-(A),(B),(C),(D) given against each question, out of which only one is correct. Mark your answer by filling bubble on the OMR answer sheet.
- अध्यार्थी अपने उत्तर को केवल अलग से दी गई ओ.एम.आर. उत्तर पुस्तिका पर ही अंकित करें। Candidate has to mark all his responses only on the separate OMR sheet provided.
- फंक्ल नीले या काले बाल प्वाइंट पेन का ही उपयोग करें। पेन्सिल के उपयोग की अनुमति नहीं है। Use only blue or black ball point pen. Use of pencil is not allowed.
- ६. ओ.एम.आर. उत्तर पुस्तिका में उत्तर अंकित करने से पहले, अपने प्रवेश पत्र के अनुसार दिये गए ओ.एम.आर. उत्तर पुस्तिका में विवरण सावधानीपूर्वक भरें। ओ.एम.आर. में गलत / अध्रा विवरण भरने पर मूल्यांकन नहीं किया जाएगा। यदि ओ.एम.आर. अध्यार्थी / निरीक्षक द्वारा इस्ताखर नहीं किया हुआ है तो मूल्यांकन नहीं किया जाएगा। Before you proceed to mark your response in OMR answer sheet, you have to fill in same particulars carefully in the OMR answer sheet as per your admit card. The OMR shall not be evaluated if incorrect/incomplete details are filled. OMR not signed by the Candidate/Invigilator shall not be evaluated.
- प्रश्न पुस्तिका में से कोई पना अलग न करें। No sheet from the question paper should be detached.
- रफ कार्य करने के लिये प्रश्न पत्र के अंत में शीट प्रदान की गयी है। Sheet for rough work is appended in the question paper at the end.
- यदि अध्यार्थी एक से अधिक उत्तर देता है तो उसे गलत माना जाएगा चाहे उनमें से कोई भी एक उत्तर सही हो। If candidate gives more than one answer, it will be treated as wrong answer even if one of given answer happens to be correct.
- १०. परीक्षा समाप्त होने के बाद अपना ओ.एम.आर. उत्तर पुस्तिका निरीक्षक को सौपें। अध्यार्थी को अपने साथ प्रश्न पत्र ले जाने की अनुमित्त दी जाएगी। After completion of examination, you have to hand over your OMR answer sheet to Invigilator. Candidate shall be allowed to take the question paper along with him.

TML

विवाद की स्थिति में अंग्रेजी संस्करण मान्य होगा. In case of dispute, English version will prevail.

ENGLISH

Questions: 15

Direction f	or questions	1 - 3
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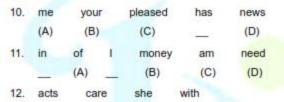
	Cho	ose the best wor	d or	expression to	compl	ete the sentenc	es.	
Que	stion	is:						
1.	Не	informed	me	to the police.				
	(A)	about	(B)	against	(C)	for	(D)	with
2.	Не	lives in the world of	of	4				
	(A)	allusions	(B)	illusions	(C)	conclusions	(D)	delusions
3.		husband was take money.	en al	oack when his wit	fe	to him th	at she	him for
	(A)	revealed had	marr	ried	(B)	declared n	narried	
	(C)	revealed marr	ied		(D)	confirmed	has ma	rried
Dire	ction	for questions 4	- 6	:				
	out	each of the followin the WRONGLY SF			vords	are given, one	of which	is wrongly spelt.
. 5	stion							
4.	(A)	Doubtfull	(B)	Awkward	(C)	Ponderous	(D)	Distinct
5.	(A)	Broch	(B)	Bleak	(C)	Bouquet	(D)	Baneful
6.	(A)	Delusion	(B)	Dovetail	(C)	Divercity	(D)	Diffident
Dire	ction	for questions 7	- 9	:				
	Cho	oose the word which	ch is	nearest in mea	ning	to the bold type	ed word	
Que	stion	is:						
7.	In I	is old age the mar	tur	ned a fatalist.				
	(A)	Disbeliever in Goo	d		(B)	Believer in Go	d	
	(C)	Believer in fate			(D)	Non-believer in	destin	У
8.	The	officer was dives	ted	of all power.				
	(A)	Bared	(B)	Denuded	(C)	Dispossessed	(D)	Disrobed
9.	Не	is liked by all for h	is c	andid behaviour.				
	(A)	Social	(B)	Simple	(C)	Frank	(D)	Sociable
ITI S	ot-C			1		,	TINO	O THE NEXT PAGE

Note : The Information Provided here is only for Reference. It may vary the Original

Direction for questions 10 - 12:

Below several disarranged words are given in each question. Arrange them in proper order so that it makes a sense and indicate the index (A or B or C or D) of the word you have chosen to put LAST.

Questions:



(C)

(B) Direction for questions 13 - 15:

Choose the OPPOSITE meaning of the given word.

(D)

Questions:

(A)

13.	Modest			
	(A) Lenient	(B) Reserved	(C) Humble	(D) Arrogant
14.	Transparent			
	(A) Obvious	(B) Distinct	(C) Opaque	(D) Consistent
15.	Immense			
	(A) Insignificant	(B) Significant	(C) Huge	(D) Gigantic

Information Provided here is only for Reference. It may vary the Original

GENERAL KNOWLEDGE

Questions - 15

16.	Which state government language?	nent will launch e-wallet	"Tokapoisa.in" for ca	ishless tr	ansaction in local
	(A) Odisha	(B) Assam	(C) Manipur	(D)	Kerala
17.	Who has won the 20	016 Best FIFA Men's p	layer award?		
	(A) Cristiano Ronale	do	(B) Lionel Messi		
	(C) Carli Lloyd		(D) Antonie Griez	mann	
18.	The 2017 Vibrant G	ujarat Global Investors	Summit has started	in which	city?
	(A) Ahmedabad	(B) Rajkot	(C) Surat	(D)	Gandhinagar
19.	Veteran actor Om P	uri, who passed away	recently, was belong	jed to wh	nich state?
	(A) Punjab	(B) Haryana	(C) Uttar Pradesh	(D)	Madhya Pradesh
20.	Which country, on th	ne map of world, appea	ars as "Long Shoe"?		
	(A) Portugal	(B) Italy	(C) Greece	(D)	Hungary
21.	Which of the followin earth and again bac	g atmospheric layers re k to the earth?	eflects radio waves th	at are tra	nsmitted from the
	(A) Ionosphere	(B) Stratosphere	(C) Mesosphere	(D)	Troposphere
22.	The partition of Ben	gal was sought to be b	rought about by		
	(A) Lord Curzon	(B) Warren Hasting	s (C) Alfred Lyall	(D)	Lord Cornwallis
23.	The gas usually fille	d in the electric bulb is			
	(A) Nitrogen	(B) Hydrogen	(C) Carbon dioxid	e (D)	Oxygen
24.	The largest river of	all the west flowing rive	ers of the peninsular	India is	
	(A) Tapti	(B) Kaveri	(C) Krishna	(D)	Narmada
25.	Rajiv Gandhi Enviror	nment Award is given f	or outstanding contri	bution	
	(A) to health		(B) to tourism		
	(C) to agriculture		(D) in the develop	oment of	Neat technology
26.	The 2017 Island tou	rism Festival has starte	ed in which state / u	nion terri	tory?
	(A) Andaman and N	Nicobar	(B) Gujarat		
	(C) Rajasthan		(D) Lakshadweep		
27.	The Chardham high	way project will come i	up in which state of	India?	
	(A) Jharkhand	(B) Sikkim	(C) Bihar	(D)	Uttarakhand
ITI S	et-C	3		GOONT	OTHE NEXT PAGE

Note : The Information Provided here is only for Reference. It may vary the Original

28.	Which bollywood personality has been National Urdu University?	n conferred honorary doctorate by the Maulana Aza
	(A) Aamir Khan	(B) Nawazuddin Siddiqui
	(C) Shahrukh Khan	(D) Salman Khan
29.	Which of the following islands in India	a was once named "New Denmark"?
	(A) Salsatte Island	(B) Elephanta Island
	(C) Lakshadweep	(D) Andaman & Nicobar Island
30.	Which become the first cricket venue	in India to have a roof top solar power plant?
	(A) Jawaharlal Nehru Stadium	(B) Chinnaswamy Stadium
	(C) Salt Lake Stadium	(D) Eden Gardens

ITI_Set-C

MATHEMATICS

Questions - 15

31.		equence of 10 consecu of the last 5 integers		of the first 5 integers is 560.
	(A) 585	(B) 580	(C) 575	(D) 570
32.	The water from a	second outlet, flowing a e used at the same t	at a constant rate, can t	swimming pool in 9 hours. fill the same pool in 5 hours. act is the number of hours
	(A) 0.22	(B) 2.50	(C) 3.21	(D) 4.56
33.	route as Car A. C traveling at a con	Car A is traveling at a	constant speed of 58 res per hour. How many	ne direction along the same niles per hour and Car B is hours will it take for Car A
	(A) 2.0	(B) 2.5	(C) 3.0	(D) 3.5
34.		e women than men or board, how many are		f education. If there are 10
	(A) 3	(B) 4	(C) 6	(D) 7
35.	produces bolts a	t a uniform rate of 1	00 every 20 seconds	o seconds, and Machine B If the two machines run oduce a total of 200 bolts?
	(A) 22	(B) 25	(C) 28	(D) 32
36.			n twice as much as his esent weight, in pound	s sister. Together they now is?
	(A) 131	(B) 139	(C) 147	(D) 188
37.	If x + 5 > 2 and x numbers?	x - 3 < 7, the value of	x must be between wh	nich of the following pairs of
	(A) -3 and 10	(B) -3 and 4	(C) 2 and 7	(D) 3 and 4
38.	A man sells his ty price of the typev	A STATE OF THE PARTY OF THE PAR	he sells it for Rs. 80 m	nore, he gains 5%. The cost
	(A) Rs. 1600	(B) Rs. 1200	(C) Rs. 1000	(D) Rs. 800
39.	Which of the follo	wing is the value of	∛0.000064 ?	
	(A) 0.004	(B) 0.02	(C) 0.04	(D) 0.2
ITI S	Set-C		5	GO ON TO THE NEXT PAGE

	(A) 7	(B) 6	(C) 5	(D) 4	
1.	(43% of 2750) -	(38% of 2990) = ?			
	(A) 43.6	(B) 46.3	(C) 44.7	(D) 49.3	
2.				w. Five years ago, their ag	
	(A) 4:3	(B) 5:3	(C) 3:5	(D) 10:7	
3.	carpenter were to	make a similar sand	box twice as long, twice	city of 10 cubic feet. If t e as wide, and twice as hi et, of the second sandbox	gh
3.	carpenter were to	make a similar sand	box twice as long, twice	e as wide, and twice as hi	gh
3. 4.	carpenter were to as the first sandt (A) 20	make a similar sand box, what would be the (B) 40	box twice as long, twice ne capacity, in cubic fe	e as wide, and twice as hi et, of the second sandbox (D) 80	gh
	carpenter were to as the first sandt (A) 20	make a similar sand box, what would be the (B) 40	box twice as long, twice ne capacity, in cubic fee (C) 60	e as wide, and twice as hi et, of the second sandbox (D) 80	gh
	carpenter were to as the first sandt (A) 20 If y is an integer,	make a similar sand box, what would be the (B) 40 then the least possib (B) 3	box twice as long, twice ne capacity, in cubic fer (C) 60 ole value of [23 – 5y] is	e as wide, and twice as hi et, of the second sandbox (D) 80	gh

APTITUDE / REASONING

Questions - 15

Direction for questions 46 - 49:

In each of the following questions, some words are given which are related in some way. The same relationship obtains among the words in one of the four alternatives given under it. Find the correct alternative.

Questions:

46. Smile : Laugh : Cry

(A) Sit : Sleep : Play(C) Morning : Night : Day

47. Lizard : Reptile : Insects

(A) Fox : Wolf : Forest
(B) Fly : Insect : Bee

(C) Man : Omnivorous : Meat (D) Tiger : Mammal : Deer

48. Magazine : Story : Article

(A) Tea: Milk: Sugar

(B) Television: Newspaper: Entertainment

(C) Bed : Quilt : Pillow

(D) Novel: Drama: Literature

Dog : Squirrel : Tail

(A) Cottage : Hut : Palace (B) Fish : Crocodile : Water (C) Horse : Ox : Horn (D) Truck : Scooter : Gear

50. Pointing to a boy in a photograph Akhil says, "He is the son of my mother's only son's son". How is Akhil related to that boy?

(A) Uncle

(B) Brother

(C) Father

(D) Grandfather

(B) Frown : Anger : Temper

(D) Touch : Catch : Release

Direction for questions 51 - 54:

Read the information given below and answer the following questions on the basis of the information provided.

- There is a family of 5 persons A, B, C, D and E.
- ii) They are working as a doctor, a teacher, a trader, a lawyer and a farmer.
- iii) B, an unmarried teacher, is the daughter of A.
- iv) E, a lawyer, is the brother of C.
- v) C is the husband of the only married couple in the family.
- vi) A, a farmer, is a father of two sons and an unmarried daughter.
- vii) Daughter-in-law of A is a doctor.

les	

	Till Daught											
Que	stions :											
51.	Who is the	doctor i	n the	family?								
	(A) A		(B) B			(C)	С		(D)	D	
52.	Which of the	e follow	ing is	a grou	p of fe	male r	nemi	bers in t	he fan	ily?		
	(A) B and I	D	(B) D an	d E		(C)	A, C an	d E	(D)	B and	C
53.	Who is the	trader in	n the	family?								
	(A) A		(B) B			(C)	С		(D)	D	
54.	Which of the	e follow	ing is	the ma	arried o	ouple?						
	(A) A and E	3	(B) C an	d D		(C)	A and D)	(D)	B and	D
55.	If NAXALITE		en in	a certai	in code	as LY	VYJ	GRC, ho	w will l	NTEG	RATE be	written
	(A) LGREC	YPRC					(B)	GLRCE	PYRC			
	(C) RYWMI	NOPQR	t				(D)	BLACK	HOLE			
Dire	ction for que	estions	56 -	58:								
	Read the fo	llowing	inform	ation to	o answ	er the	que	stions :				
	Symbolise to	he give	n num	ber an	d symb	ool :						
	Number :	1	2	3	4	5	6	7	8	9		
	Symbol :	×		?	+	\$		+	1	Δ		
	i) If any n	umher	hegin	s by od	ld num	her the	n th	e odd n	umher	symbo	lized as	@

ITI Set-C

GO ON TO THE NEXT PAGE

in

ii) If any number ends by even number then the even number symbolized as ©.

Questions:

- 56. Which of the following will be the symbol of 178524?
 - (A) @+!\$ ° ©

(B) x + ! \$ ©

(C) @+!\$ * +

- (D) None of these
- 57. Which of the following will be the symbol of 673258?
 - (A) · + ? * \$!

(B) @ +?*\$!

(C) @ ? + \$ * !

- (D) · + ? * \$ ©
- 58. Which of the following will be the symbol of 846721?
 - (A) © + * + * x

(B) ! + · + * @

(C) ! + · + * x

- (D) © + · + * ×
- Which pair of English letters should be the next in the series of pairs of letters of English alphabet given below?
 - BE GK

(A) JR

MR

TZ

BI

- (B) KS
- (C) JS
- (D) KR
- 60. A man travels 3 kms to the West, turns left and goes 3 kms, turns right and goes 1 km, again turns right and goes 3 kms. How far is he from the starting point?
 - (A) 7 kms
- (B) 6 kms
- (C) 5 kms
- (D) 4 kms

GROUP - 1

Questions: 90

61.	Afte	er thread cutting, t	he ne	ext operation is				
	(A)	drilling	(B)	chamfering	(C)	filing	(D)	facing
62.	For	general use of dr	ill, po	oint angle is				
	(A)	60°	(B)	118°	(C)	120°	(D)	59°
63.	Enl	arging of previous	ly dri	lled holes is know	wn as			
	(A)	reaming	(B)	boring	(C)	broaching	(D)	None of these
64.	'Th	umb rule' for tap	drill s	ize is normally ta	ken a	s		
		0.6 d		0.75 d	(C)	0.8 d	(D)	d
	Wh	ere d = dia of hol	е					
65.	An	undercut shoulder	is p	roduced by using	1			
	(A)	grooving tool	(B)	parting-off tool	(C)	square nose tool	(D)	None of these
66.	In p	pipe joints, the follo	owing	thread is used.				
	(A)	BSW	(B)	BSP	(C)	BA	(D)	None of these
67.	Mai	ndrel is required to	holo	d the				
	(A)	hollow job	(B)	solid job	(C)	stepped job	(D)	None of these
68.	In v	which of the follow	ing p	ower transmissio	n syst	tem, key and keyw	vay a	are needed?
	(A)	Coupling	(B)	Gear drive	(C)	Belt-pulley drive	(D)	All of these
69.	Wh	ich of the followin	g too	angle improves	surfac	ce finish ?		
	(A)	Clearence angle	(B)	Rake angle	(C)	Nose angle	(D)	None of these
70.	In a	annealing, cooling	is do	ne				
	(A)	very rapidly	(B)	rapidly	(C)	very slowly	(D)	in air
71.	The	signature of the	single	e point cutting to	ol com	prises ofe	leme	ents.
	(A)	7	(B)	6	(C)	5	(D)	4
72.	Spir	ral flutes of reame	r is					
	(A)	left handed	(B)	right handed	(C)	Any one of these	(D)	None of these
73.	Lat	he centre has a p	oint a	angle of				
		30°		45°	(C)	60°	(D)	None of these
74.	Plu	g tap is also know	vn as					
(6.135)				bottoming tap	(C)	intermediate tap	(D)	None of these

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75.	Included angle of the	centre punch is							
	(A) 30°	(B) 45°	(C) 60°	(D) 90°					
76.	In milling machine, w	In milling machine, which of the following standard taper is mostly used?							
	(A) Jamo		(B) Morse						
	(C) Metric		(D) Brown and Shar	ре					
77.	Which type of milling	cutter is required for	high speed mill operat	ion?					
	(A) Zero rake	(B) Negative rake	(C) Positive rake	(D) None of these					
78.	To mill the hexgonal h	neaded bolt, the following	ng milling operation is	most suitable.					
	(A) Form milling	(B) Straddle milling	(C) Face milling	(D) Angular milling					
79.	In vertical milling m/c,	cutter is mounted on							
	(A) spindle	(B) collar	(C) arbor	(D) None of these					
80.	Which of the following milling machine is suitable for tool room work?								
	(A) Fix bed type		(B) Universal milling	machine					
	(C) Plain milling mac	hine	(D) None of these						
B1.	The term 'loading' is	associated with							
	(A) drill bit	(B) milling cutter	(C) grinding wheel	(D) broach					
82.	Mertempering is a	process.							
	(A) normalising	(B) tempering	(C) annealing	(D) hardening					
83.	To mill a gear of 83 to	eeth, indexing	method is used.						
	(A) simple	(B) compound	(C) differential	(D) rapid					
84.	Which of the following	g is a direct measuring	instrument?						
	(A) Vernier caliper		(B) Sine bar						
	(C) Oddleg caliper		(D) Telescopic gauge	e					
85.	To obtain better grippi	ing surface, the following	ing operation is require	ed:					
	(A) Undercut	(B) Knurling	(C) Reaming	(D) Forming					
86.	High carbon steel cor	ntains of car	bon.						
	(A) 0.3% to 0.5%	(B) 0.6% to 1.5%	(C) 0.15% to 0.3%	(D) None of these					
87.	Drill socket compared	to drill sleeve is							
	(A) smaller	(B) larger	(C) of equal size	(D) much larger					
88.	The term 'module' is	related with							
	(A) gear	(B) coupling	(C) pulley	(D) None of these					

89.	Coolant used while tur	rning of cast iron is						
	(A) soap water	(B) kerosine	(C)	lard oil	(D)	None of these		
90.	Gun metal is an							
	(A) non-ferrous alloy	(B) compound	(C)	alloy of copper	(D)	All of these		
91.	Which one of the follo	wing is a job supporti	ing de	evice?				
	(A) Steady rest	(B) Mandrel	(C)	Face plate	(D)	Chuck		
92.	Tolerance is of	types.						
	(A) 2	(B) 3	(C)	4	(D)	None of these		
93.	Internal keyway can b	e cut by						
	(A) shaping m/c	(B) broaching m/c	(C)	slotting m/c	(D)	All of these		
94.	Differential indexing is	required to cut		gear.				
	(A) 96	(B) 48	(C)	37	(D)	86		
95.	Last element of the cu	utting tool signature is	8					
	(A) nose radius		(B)	side clearance a	ngle			
	(C) front rake angle		(D)	None of these				
96.	Which index plate is to	be required to index	an a	ingle of 19°40'?				
	(A) Plate – I	(B) Plate - II	(C)	Plate – III	(D)	None of these		
97.	Backlash eliminator sh	nould be provided in						
	(A) upmilling	(B) down milling	(C)	face milling	(D)	gang milling		
98.	Downmilling operations shold only be performed on							
	(A) rigid machine		(B)	plain milling mad	hine			
	(C) rigid machine with	backlash eliminator	(D)	hand milling mad	chine			
99.	For tool room work, the following milling m/c is suitable.							
	(A) Plain milling m/c		(B)	Fixed bed type in	milling	m/c		
	(C) Plano-miller		(D)	Universal milling	m/c			
100.	The thickness of chip case of mill		ginni	ng and is maximu	ım at	the end of cut in		
	(A) up	(B) down	(C)	end	(D)	face		
101.	Drilling jig is used for							
	(A) prototype work	(B) repairing work	(C)	mass production	(D)	All of these work		
102.	In case of end milling,	the cutter has teeth						
	(A) on the end face		(B)	on the periphery				

	(C) both on the end	face	and the periphery	(D)	on half of the pe	riphe	ry		
103.	Back gear is used for	or	operation						
	(A) reaming	(B)	grooving	(C)	forming	(D)	Thread cutting		
104.	To cut a spur gear o	f 54 t	eeth having modu	le 3,	the size of gear	blank	is required		
	(A) 132 mm	(B)	168 mm	(C)	180 mm	(D)	None of these		
105.	Chasing dial is mour	nted o	n right end of the						
	(A) tail stock	(B)	apron	(C)	cross slide	(D)	None of these		
106.	Which of the following	ng is a	n example of drill	ing o	peration?				
	(A) Knurling	(B)	Undercut	(C)	Trepanning	(D)	None of these		
107.	For mass production	of he	elical gears, the fo	llowin	ng machine is suitable.				
	(A) Gear shaper			(B)	Broach				
	(C) Plain milling ma	chine		(D)	Hobbing machin	е			
108.	Hobbing m/c is used	for t	he mass production	on of					
	(A) spur gear	(B)	thread	(C)	helical gear	(D)	None of these		
109.	Universal milling made	is equipped with							
	(A) quick return arra	angem	ent	(B)	indexing arrange	ment			
	(C) fool-proof arrang	emen	t	(D)	None of these				
110.	Drill sleeve has								
	(A) no taper	(B)	internal taper	(C)	external taper	(D)	Both (B) & (C)		
111.	In mass production,	for gu	iding the milling o	utter,	er, is used.				
	(A) jig	(B)	dividing head	(C)	template	(D)	fixture		
112.	Lapping is done after	r							
	(A) reaming	(B)	drilling	(C)	trepanning	(D)	boring		
113.	More than one surfa	ce ca	n be machined at	a tin	ne in				
	(A) shaper	(B)	lathe	(C)	plano-miller	(D)	None of these		
114.	Tumbler gears are u	sed in	1						
	(A) shaper	(B)	milling m/c	(C)	lathe	(D)	broaching		
115.	In universal milling m	nachin	e numb	per o	f table movement	s can	be obtained.		
	(A) 2	(B)	3	(C)	4	(D)	5		
116.	Multiple tooling layou	it is p	ossible in						
	(A) Capstan lathe	(B)	plano-miller	(C)	planer	(D)	All of these		

117.	To mill a gear of 89 fe	eth,indexing	method is to be adop	ted.					
	(A) simple		(B) compound						
	(C) differential		(D) rapid						
118.	Drilling is followed by								
	(A) reaming	(B) tapping	(C) boring	(D) None of these					
119.	Milling cutter is mount	ed on spindle in							
	(A) vertical milling ma	achine	(B) horizontal milling machine						
	(C) plano-miller		(D) None of these						
120	Dividing head is used	in mass production for	r guiding the						
	(A) drills	(B) milling cutters	(C) reamers	(D) All of these					
121	Which one of the folk	owing is an accessorie	s of lathe work?						
	(A) Steady rest	(B) Tail Stock	(C) Feed rod	(D) None of these					
122	Surface plate is made	of							
	(A) mild steel	(B) high carbon steel	(C) grey cast iron	(D) wrought iron					
123	While cutting double start threads of pitch 2 mm in a lathe, the cutting tool will advance by								
	(A) 2 mm/revolution	(B) 1 mm/revolution	(C) 4 mm/revolution	(D) None of these					
124	. In chipping process, t	he following chisel is u	sed.						
	(A) Cape chisel	(B) Hot chisel	(C) Cold chisel	(D) Side chisel					
125	Suitable change gears for cutting 17 TPI on 4 TPI lead screw lathe are								
	(A) 30, 105	(B) 20, 85	(C) 15, 85	(D) None of these					
126	Smaller sizes of drills	are not marked and the	ne size is found by the	use of					
	(A) micrometer	(B) template	(C) drill gauge	(D) None of these					
127	The average cutting speed for machining mild steel by a high speed steel tool is taken as								
	(A) 10 mm	(B) 30 mm	(C) 40 mm	(D) 24 mm					
128	To obtain the correct	diameter of hole, the d	rill should be ground v	with both lips at					
	(A) 30°	(B) 45°	(C) 59°	(D) 60°					
129	. Spindle speed in a lat be	he for turning a 40 cm	dia job at a cutting spe	eed of 30 m/min would					
	(A) 206 rpm	(B) 238 rpm	(C) 350 rpm	(D) None of these					
130	Filing is followed by								
	(A) grinding	(B) lapping	(C) scraping	(D) None of these					

131.	Wh	ich one of the follo	owing	material has the	high	est cutting spe	eed?		
	(A)	Brass	(B)	Bronze	(C)	Al	(D)	C.I.	
132.	Inte	rnal thread is cut	by						
	(A)	tap	(B)	die	(C)	reamer	(D)	thread chaser	
133.	Rot	ary power of lead	scre	w is transmitted to	the	lathe carriage	through		
	(A)	gear			(B)	rack and pini	on		
	(C)	half-nut			(D)	chain & spro	cket		
134.	Cyli	indrical job is supp	orte	d by					
	(A)	stepped block	(B)	angle plate	(C)	V- block	(D)	None of these	
135.	Tra	nslating gear has t	the fo	ollowing number of	f teet	th :			
	(A)	127 teeth	(B)	20 teeth	(C)	47 teeth	(D)	None of these	
136.	An	alloy made of lead	and	zinc is called					
	(A)	borax	(B)	spelter	(C)	solder	(D)	None of these	
137.	The	The feed shaft must be in disengaged condition during							
	(A)	facing	(B)	thread cutting	(C)	turning	(D)	None of these	
138.	Aus	tempering is an _		process.					
	(A)	tempering	(B)	hardening	(C)	annealing	(D)	normalising	
139.	Wh	ich of the following	fee	d is required for gr	roovi	ng operation?			
	(A)	Longitudinal	(B)	Cross	(C)	Vertical	(D)	Combined	
140.	A ri	vet consists of hea	ad, s	hank and					
	(A)	neck	(B)	body	(C)	tail	(D)	pilot	
141.	In lathe operation, job can be centred automatically and quickly by means of								
	(A)	magnetic chuck			(B)	4-jaw chuck			
	(C)	air operated chuc	k		(D)	3 jaw chuck			
142.	The tool for holding and turning the threading die is known as								
	(A)	handle	(B)	adjusting wrench	(C)	stock	(D)	drift	
143.	In case of turning, speed of job is four times greater than								
	(A)	grooving	(B)	Knurling	(C)	facing	(D)	None of these	
144.	Zino	c chloride is comm	nonly	used flux in the p	oroce	ess of			
	(A)	welding	(B)	soldering	(C)	hard brazing	(D)	None of these	
145.	Ext	ernal thread is cut	by r	neans of					
		die		reamer	(C)	tap	(D)	thread chaser	
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46.	Hardening is followed by							
	(A)	tempering	(B) normalising	(C)	annealing	(D)	None of these	
147.	Тар	er turning attachm	ent is used to cut					
	(A)	external long tape	r	(B)	external steep ta	per		
	(C)	both internal and	external tapers	(D)	only internal tape	er		
148.	Extension rods are extra features for							
	(A)	sine bar	(B) inside micromet	er(C)	vernier caliper	(D)	None of these	
149.	Foo	l-proof arrangemen	nt is a safety measur					
	(A)	broaching	(B) shaper	(C)	milling m/c	(D)	None of these	
150.	For	mass production,	inspection of jobs is	done	by			
	(A)	gauge		(B)	measuring instru	ment		

(D) jig

(C) template