ALL INDIA SAINIK SCHOOLS ENTRANCE EXAMINATION: 2020

MATHS, ENGLISH, GENERAL SCIENCE, SOCIAL STUDIES AND INTELLIGENCE

CLASS-IX

0007415

INSTRUCTIONS

- This question paper contains FIVE sections and you have to answer all questions in the OMR answer sheet. Section "A" Mathematics contains 50 questions of 4 marks each. Section "B" English, Section "C" General Science, Section "D" Social Studies, and Section "E" Intelligence contain 25 questions each with 2 marks per question.
- There is only one correct answer for each question. Darken only one bubble for each question. If you darken more than one bubble, your answer will be treated as wrong.
- Evaluation of OMR answer sheet will be done on a computer. Ensure no unnecessary markings are made on the OMR answer sheet. Do not fold or attempt to deface the OMR answer sheet. OMR sheets with multiple folds or defaced OMR sheet will not be evaluated.
- Rough work must be done on the additional two sheets only and NOT on the OMR answer sheet.
- Write your answer in Blue/Black ink only. Do not use pencil.
- 6. There are total 28 pages in the question paper including two pages for the rough work

SECTION-A MATHEMATICS

1. The value of
$$\left(-\frac{3}{2} \times \frac{4}{5}\right) + \left(\frac{9}{5} \times \frac{-10}{3}\right) - \left(\frac{1}{2} \times \frac{3}{4}\right)$$
?

(a) $\left(-\frac{503}{40}\right)$

(b) $\left(-\frac{203}{40}\right)$

(c) $\left(-\frac{403}{40}\right)$

(d) $\left(-\frac{303}{40}\right)$

- 2. The abscissa of a point is its distance from the
 - Origin
- (b) X-Axis
- (c) Y-Axis
- None
- What is the value of m, if $\left(\frac{2}{9}\right)^3 \times \left(\frac{2}{9}\right)^{-6} = \left(\frac{2}{9}\right)^{2m-1}$ 3.
 - (a) m = 1

(c) m = -1

- (d) m = 2
- "If a number when divided by 4 leaves remainder 2 or 3", then which one is the correct statement?
 - (a) The number is not a perfect square
 - (b) The number is a perfect square
 - (c) The number is a prime number
 - (d) None of these
- The value of $\frac{\sqrt{0.2304} + \sqrt{0.1764}}{\sqrt{0.2304} \sqrt{0.1764}}$
 - (a) 15
- (b) 16 (c) 5
- (d) 150
- Three numbers are in the ratio 2:3:4. The sum of their cubes is 33957. The numbers are
 - (n) 16, 24 and 32
- (b) 12, 18 and 24
- (c) 14, 21 and 28
- (d) 18, 27 and 36
- Find the least square number divisible by each one of 8, 9 and 10;-
 - (a) 360
- (b) 36
- (c) 3600
- (d) 3.6 x 102

8.	If 14	18101a095 is	a multip	ole of 1	, where	a is a	digit, t	he valu	e of a	is	
	(a)	0	(b)		(c)	1		(d)	2		
9.	Find	the value of A	and B in	×B	A 3						
				5 7	A						
	(a)	A = 5 and B	3 = 2			(b)	A = 5	and B	= 5		
	(c)	A = 2 and E	3 = 2			(d)	A = 2	and B	= 5		
10.	Find	the value of Z	for whic	h the m	imber 4	71Z8 is	divisib	le by 9.			
	(a)	4	(b)	5		(c)	7		(d)	8	
11.	If the	area of an equ 18√3 cm		riangle 9 cm		cm ² , t		side of (d)	the tria $3\sqrt{2}$		
12.		value of $\frac{4 m^2}{}$		$\frac{ab-b^2}{b}$							
	(a) (c)	(2m-a+1) $(2m+a+1)$	5.			TANKS TO SERVICE	-a-b				
13.		ratio between t s, the speed of			o trains /	A and B	is 3 : 5	. If tra	in B ru	ns 300km in	4
	(a)	40 km/h	(b)	60km	ı/h	(c)	30 km	n/h	(d)	45 km/h	
14.	Two	years ago, Dil be equal to five	ip was the times t	ree tim	es as old is son. T	as his he pres	son and ent age	l two ye of son	ars hen	ice, twice his	a
	(a)	14, 38 years	s (b)	16, 4	0 years	(c)	12, 3	6 years	(d)	None	
15.	The	probability of	getting a	7 in a s	ingle th	row of a	dice is	st			
	(n)	1	(b)	0	(c)	1/6	(d)	1/2			
16.	A's	income is 60%	more th	an that	of B. By	what p	ercent i	is B's ir	ncome I	ess than A's	?

(a)

37%

(b)

37.5%

36.5%

(c)

(d)

36%

17.	Byj	oining (-3, 2),	(-3, -3)	and (-3	3, 4), wh	ich of	the follo	wing is	obtain	ed?	
	(a)	A triangle									
	(b)	A straight li	ne parall	el to x	- avis						
	(c)	A straight li	ne parall	el to v	axis		2				
	(d)	A straight li				in					
18.	The	number of time	s a partie	cular of	bservatio	on occ	urs in a o	itan da	en in an	Mad to	
	(a)	Frequency	(b)	Ran		(c)	Mean			of these	
19.	By se	elling 33 m of c Find his gain	or loss p	raper le ercent.	oses an a	moun	t equal to	the sel	lling pr	ice of 3 m of	
	(a)	gain 8 ¹ / ₃ %	(b)	loss 8	3 %	(c)	gain 7	%	(d)	loss 7%	
20.	Thre	a single cube.	d whose The edge	edges	are 6 cm	, 8 cm	and 10cr	m respe	ectively	are melted to)
	(a)	24 cm (b)	20 cm		18 cm		12 cm				
21.	Find	the single disco	unt equi	valent	to two si	uccess	ive disco	unts of	20% a	nd 10%	
	(a)	25%	(b)	30%		(c)	28%		(d)	10%	
22.	Whic	h of the follow	ing is no	t a case	of direc	t vari	ation?				
	(a)	Number of sh	neets of s	some ki	ind are in	ncreas	ed when	their to	tal wei	oht is increase	ed
	(b)	More quantity	y of petr	ol is re	quired to	trave	l more di	stance	with a	fixed speed	-
	(c)	More fees wo									
	(d)	Time taken w work.									2
23.	If a	b+c=9 and	ab + bc	+ ca =	= 23, the	n the v	value of a	$a^{2} + b^{2}$	+ \(\sigma^2\) eq	uals to	
	(a)	35	(b)	81	(c)	127	(d)	217			
24.	On di-	viding 200 into of the parts is	two part	s, $\frac{1}{3}$ of	the first	part a	nd ½ of t	he seco	and part	are equal. Th	ie
	(a)	80	(b)	120	(c)	40	(d)	150			

On selling a fan for Rs 810, Sunil gains 8%. For how much did he purchase it?

(b) 0 (c) 1

(a) Rs 700 (b) Rs 675 (c) Rs 650

Find the value of x: $3^{2x} \times 3^{x+3} \times 3^{4-x} = (\sqrt{3})^{10}$

25.

26.

3 (-a6x b3x c21)

(d) Rs 750

(d) 2

		he3	. bct	,-ab4	100	-bc*
	(a)	-bc3 a2	(b) $\frac{bc^4}{a^2}$	$(c)\frac{-ab^4}{c^2}$	(d)	G ²
28.	If n is a	perfect cub	e, then every prim	e factor of 'n' occurs	-	
	(a) (One time	(b) Two times	(c) Three time	5	(d) Four times
29.	Find the	greatest nu	mber of four digit	s which is a perfect so	quare.	
	(a)	9800	(b) 9864	(c) 9999	(d)	9801
30.				f x and y, 8 years ag s 8 years from now?	go is 7 : 6, t	hen which of th
	(a) 82		(b) 97	(e) 75	(d)	94
31.	The age and the son and	mother is e	is one-fifth of th	e age of his mother a the father. After 15 y of his father's age. Fi	and sum of the	ne ages of the so of the ages of th
31.	The age and the son and	mother is e his mother mother and	is one-fifth of th qual to the age of will be four-third	e age of his mother a the father. After 15 y of his father's age. Fi	and sum of the	ne ages of the so of the ages of th
31.	The age and the son and of son, (a) 1:5:	mother is e his mother mother and 7	r is one-fifth of th qual to the age of will be four-third father respectively (b) 2:10:10 come of P and Q is	e age of his mother a the father. After 15 y of his father's age. Fi	and sum of the ears, the sum ind the ratio of (d)	ne ages of the so of the ages of the free ages of the free ages of the present age 2:8:9
	The age and the son and of son, (a) 1:5:	mother is e his mother mother and	v is one-fifth of the qual to the age of will be four-third father respectively (b) 2:10:10 come of P and Q is that of Q by $16\frac{2}{3}$ %	the father. After 15 y of his father's age. Fi (c) 1:5:6	ears, the sum ind the ratio of (d) penditure is 4 me does P sp	ne ages of the so of the ages of the free ages of the free ages of the present age 2:8:9 2:8:9 3. The saving end?
	The age and the son and of son, (a) 1:5: The ratio of P is to the control of P is to the	mother is e his mother mother and	v is one-fifth of the qual to the age of will be four-third father respectively (b) 2:10:10 some of P and Q is not of Q by $16\frac{2}{3}\%$ (b) $53\frac{1}{3}\%$ sum of Rs. 12,500	e age of his mother a the father. After 15 y of his father's age. Fi (c) 1:5:6 5:4. The ratio of exp What % of his income	ears, the sum ind the ratio of (d) penditure is 4 me does P sp (d)	ne ages of the so of the ages of the ages of the fithe present age 2:8:9 : 3. The saving end? 51 \frac{2}{3} \%

Find the compound interest on Rs 1, 25,000 for 9 months at 8% per annum, compounded quarterly.

	(a) 7551	(b)	7651	(c)	7650	(d)	7655	
35.	Pipe A can fill are opened at what time was	6 AM and at	ter some tim					
	(a) 10 AM	(b)	8 AM	(c)	9 AM	(d)	11 AM	
36.	A car covers 3 taken I hour le						ore, it would	have
	(a) 60 lomph	(b) 50) kmph	(c) 40	kmph	(d)	5 kmph	
37.	Two trains ar respectively. It find the time to	the length o	fone train is	300 m ar	d that of	need of 25 f the other tr	m/s and 30 ain is 250 m	m/s , then
	(n) 8 s	(b) 10)s	(c) 12	i s	(d)	48011	
38.	The sum of the	CONTRACTOR DESIGNATION OF THE PARTY OF THE P		ber is 9, I	f 27 is su	ibtracted from	n the number	r then
	(a) 81	(b) 72	2	(c) 36	,	(d)	3	
,39.	There are some of these vehicl wheelers. Find	es is 120. T	he number o	f four-wh	celers is			
	(a) 20	(b) 5		(c) 1	5	(d) 10	+1	
40.	What is the mi	nimum interi	or angle poss	ible for a	regular p	oolygon?		
	(a) 60°	(b)	750	(c)	900	(d)	None	
41.	What is the nur	nber of diago	onals in a bex	agon?				
	(a) 4	(b)	6	(c)	9	(d)	10	
42.	In the adjacent <d 60°="" =="" find="" t<="" td=""><td>figure, the l he measure o</td><td>bisectors of < of <apb.< td=""><td>A and <</td><td>B meet</td><td>at a point P.</td><td>If <c 100<="" =="" td=""><td>100°</td></c></td></apb.<></td></d>	figure, the l he measure o	bisectors of < of <apb.< td=""><td>A and <</td><td>B meet</td><td>at a point P.</td><td>If <c 100<="" =="" td=""><td>100°</td></c></td></apb.<>	A and <	B meet	at a point P.	If <c 100<="" =="" td=""><td>100°</td></c>	100°
	(a) 60°	(b) 70 ⁰	(c) 90 ⁰	(b)	800	~		\ _ _

43,						nsions of the r		?	
	(a)	13m, 7m	(b)	14m, 6m	(c)	108m, 1m	(d)	15m ,5m	
44.	Inap	parallelogram /	ABCD, A	AB = 6 cm, B	C = 5cm	and AC = 7cr	n. Find	the perpendicular	
	dista	sce between	AB and	CD.					
	(a) 6	√6 <i>cm</i>	(b) 12	2√6cm	(c) 50	em	(d)2	√6cm	
45.	radiu	s of 3.5 m. If	that amo	unt of earth v	vhen tak		d over a	and which has a rectangular plot d?	
	(a)	1.54 m	(b)	1.50 m	(c)	1.52 m	(d)	1.53 m	
46.		is the differ der whose radi			al surfa	ce area and c	urved s	urface area of a	
	(a)	200π cm ²	(b) 30	00π cm ²	(c)	$100\pi\;cm^2$	(d)	10π cm ²	
47.	The woul		umbers i	s 15. If 2 is	taken av	vay from ever	y numbe	er, the new mean	
	(a)	13	(p)	4	(c)	17	(d)	8	
48,		sides of the tri			and 75 c	m. Find the le	ngth dra	wn to the longest	
	(a) 2	7 cm	(b) 21	cm	(c) 3	9 cm	(d) 3	6 cm	
49.	In the	e following fig	ure, find	the value of	Y				
			<u>۸</u>	/	600	+ 25°	À,		
	(a)	50 ⁰	(b)	65 ⁰	(c)	60 ⁶	(d) -	700	
50.	A cy depti		has a cap	pacity of 563	2 m³. If	the diameter o	f its bas	se is 16m, find its	
	(a)	28 m	(b)	25 m	(c)	16 m	(d)	29 m	

SECTION B ENGLISH

		didates mu		£130	: gener	al cons	itions for adi	mission	
	(a)	do	(b)	prepare		(0)		(d) c	reate
52.	He re	esorts	sharp	practice i	n his d	ealings			
	(a)	at	(b)	to	CONT.	(c)		(d)	for
53.		Engl	ish is an in	ternation	al lang	uage.			
	Lay	No articl	e						
	(b)	The				1			
	(c)	A							
	(d)	An							
54.	The v	word 'Indu	strious' m	cans.					
	(a)	Working	in industry		(b)	Labo	ur in factory		
	(0)	Hard wo	rking		(d)	Laid	back		
55.	Choo	se the corre	ect order to	make th	e sente	nce bel	ow meaning	ful:-	
	Wear	/these/peo	ple/almost	/a/major	rity/of	days/a	watch		
	1	2 3	4	5 6	7		9		
	car	45673	1928		(b)	- 457	613829		
	(c)	45679	2318		(d)		731289		
3									
56.	Select	the word o	losest in m	caning to	"Mor	tal**			
	(a) Re	current	(b) T		- 11111	(e) Fa	stal	(d) Etc	rnal
57.	Mark	the word w	ith the con	ect spell	ine				
	(a) M	aintenance	(b) M	aintenna	nce	(c) M	aintanance	(d) Ma	intainance
58.	The co	oach insiste for that posi-	d that Ron	aldo	ct verl	the cen	tre posițion,		
	(a) pla					Morrows			
	tarpia	У	(b) pl	ayed -		(c) pla	iys	(d) nor	ne of these
59.	the cav	King of S ve. (Use Ar	cotland saticles)	w	spide	trying	to climb up t	toc	oiling of
	Jay Th	ne, a, the	(b) A,	a, the	(c) N	nrticle	, a, no article	e (d) The	a, no article

60.	Raju relishes no	t only Chinese	continental food. (Us	e appropriate Conjunction)
	(a) also	(b) but	(c) but also	(d) rather
61.	You must learn	English every da	y to improve it. (Use appr	opriate determiner)
	(a) a few	(b) a little	(c) a lot of	(d) none of these
62.	Arrange the jun	abled words to form	a meaningful sentence	
	most/inventor/	world/Thomas/Alva	/Edison/the/in/is/remar	kable/the
	(a) The remarks	this inventor in the n	nost world is Thomas Alv	n Edison

(d) In the world most remarkable inventor is Thomas Alva Edison.

Read the following passages and answer the questions that follow:

(b) Thomas Alva Edison is the most remarkable inventor in the world.
(c) Is the most remarkable inventor in the world Thomas Alva Edison.

The moon's role in causing tides is much more high and important than that of the Sun. The reason is that the moon enjoys more proximity to the earth than the sun. As such its force is greater than that of the sun in attracting the surface water. Tides are of immense importance. In trade, navigation and fishing, tides are very useful. During the high tide, the water depth near the coast goes up and helps big ships to reach the ports. Kandla port in Gujarat and Diamond Harbour in West Bengal owe their very existence to the tides only. The significance of both London and Kolkata also depends on the tides. Tides also keep the harbours clear of refuse and mud brought down by rivers and thus they do not allow the harbours to be silted. Commonly, the tidal rivers are navigable. For the purpose of generating electricity, tidal waves are harnessed. Tides do not allow the sea water to be frozen by keeping the sea water in motion. Tides are also made use by the fishermen for sailing into the sea and returning to the harbour. In countries like Canada, U.K., France and Japan, tidal power stations are set up.

63. Why does the moon play a greater role than the sun in causing tides?

- (a) The moon is closer to the earth as compared to the sun.
- (b) The moon has greater gravitational pull.
- (c) The moon shines in night.
- (d) None of the above.

64. How are tides useful for the economy of the country?

- (a) Tides bring treasure of sea with them.
- (b) During high tides, big ships can reach the ports thus opening new vistas for business.
- (e) Tides destroy enemies of the country.
- (d) None of the above.

65.	How are tides useful in cold countries?		
	(a) They bring fish for eating. (b) They bring water for drinking. (c) They don't allow sea water to be frozer (d) They keep the port silted.	1.	
66.	How can tides solve the power problem o	f the world?	
	 (a) Electricity is being produced through ti (b) Tidal waves keep the steamers in motion (c) Tidal waves melt the ice and save power (d) None of the above. 	on.	
67.	Which word in the passage means 'to bring (a) Proximity (b) Silted	g under control*? (c) Immense	(d) Harness
68.	She plays better than do. (Chorda) 1 do. (Chorda)	ose appropriate pro (c) may	noun) (d) myself
69.	1 in a school in Delhi since 201 (a) has studied (b) has been studyin	7. (Choose approp	riate form of tense)
70.	There isn't any smog in the Highlands of tag)		STATE OF THE PROPERTY OF THE P
	(a) aren't it (b) isn't it	(c) is there	(d) there isn't
71	Choose the best meaning of the Idiom "to	play to the gallery	
	(a) to watch the play with interest (c) to endeavour to gain cheap popularity	(b) to enact the p (d) to sit comfort	olay in the gallery tably
72.	The speckled tortoise walks steadfastly tow (a) speckled (b) steadfastly	vards his goal? (Ch (c) towards	oose the adverb) (d) goal
73.	I wrote an article for the school magazine.	(Change from activ	ve to passive voice)
	(a) An article for the school magazine (b) An article was written by me for the (c) I have written an article for the school (d) The school magazine and an article	l had written. e school magazine.	
74.	Empty vessels much noise. (Se	lect the correct for	n of verb)
	(a) make (b) are making	(c) have made	(d) makes
75.	Gullible (Choose the word with oppo (a) trusting (b) cynical	(c) clever	(d) resourceful

SECTION: C GENERAL SCIENCE

76.	The m	etal present in	Chloro	phyll is:-				
	(n)	Iron	(b)	Calcium	(c) On	cygen	(d) M	agnesium
77.	Name	the gas presen	t in LPC	G:-				
	(a) H	ydrogen	(b)	Oxygen	(c) M	ethane	(d) B	utane
78.	Which	h gas is used to	replace	cFC?				
	(a) H	CFC	(b)	RCFC	(c) D	HFC	(d) H	IHFC
79.	The f	irst Menstrual	flow at	puberty is terme	d:-			
	(a)	Menopause	(b)	Menstruation	(c) Pu	berty flow	(d)	Menarche
80.	Whic	h among the fo	llowing	g statement is inc	correct	about all org	anelles?	
	(a) (b) (c) (d)	They are fou They coordin	nd in N	Il Eukaryotic cel fulti cellular org produce new cel d and mostly into	anisms 1.	only		
81.	The tis 20	ooy is pulling a N. The force c	cart by ausing	a force of 100N the motion of the	I. The f	rictional forc	e experie	need by the cart
	(a)	100 N	(b)	120 N	(c)	80 N	(d)	5 N
82.	The	cans used for st	oring fo	ood are made by	electro	plating:-		
	(a) S	ilver onto iron	(b) Chr	omium onto iron	n (c) G	old onto iron	(d) Tin o	onto iron
83.	The	impression of a	ın imag	e does not vanis	h imme	diately from	the retina	a. It persists for :-
	(a) (c)	(1/60) th of a (1/6) th of a s		(b))th of a secon		
84.	The	Sun appears to	rise in	the East and set	in the \	West because	e-	
	(a) (b)			East to West on West to East on				

The Sun is at the centre of universe.

None of these.

(c) (d)

85.	Pressure is equal to		
	(a) Area / force on which it acts (b) Force / ar (c) Volume / force on which it acts (d) Force / vo	rea on which it a olume on which	
86.	An ultrasound equipment works at a frequency		
		nan 10,000 Hz nan 10,000 Hz	
87.	When electrodes are immersed in water an formed on the negative terminal is actually	nd electricity is gas.	s passed, the bubble
	(a) Hydrogen (b) Carbon dioxide (c) C	Dxygen	(d) Nitrogen
88.	If light falls perpendicularly on a plane mirror, t	he angle in which	ch light will be reflecte
	(a) 45 degrees (b) 90 degrees (c)	180 degrees	(d) 360 degrees
89.	All non-living things are known as		
	(a) Biotic Resource (b) Exhaustible Resource (c) Abiotic Resource (d) Human Resource		
90.	Malarial parasite is carried by		
	(a) Culex mosquito (b) Male and (c) Female anopheles mosquito (d) Aedes mo	pheles mosquito osquito	
91.		Parrot	(d) Frog
92.	Regeneration is observed in		
	(a) Planaria (b) Spyrog (c) Yeast (d) Amoeb		
93.	Rapid combustion is		
	(a) When gas burns, it produces heat and lig (b) When material suddenly burst into flame (c) When there is evolution of heat (d) None of these	dit ts	

94.	Water that is collected cubes are then kept	d in the receiver outside the refri cending order of	flask is refrigerated an gerator and they start :	boiling in distillation flast d ice cubes are formed. Ic nelting. Arrange followin energy considering that the	g
	(ii) Water (iii) Steam	collected in the r boiling in the dis passing through bes formed in the	stillation the delivery tube		
	(a) (iv), (iii), (ii), (i) (c) (iii), (iv), (ii), (i)		(i), (ii), (iii) (i), (iii), (ii)		
95.	The different sample of their mass. This ill		ound to contain carbon a	nd oxygen in the same rat	io
	(a) Law of conservat (c) Law of multiple p		(b) Law of defin (d) Law of recipe	ite proportions rocal proportions	
96.	An atlas of India is between the city of I in the atlas will be	Bhopal and Coch	in is 1,500 km, the dista	000km. The actual distantance between the two places	ce
	The same of the sa	***	4.7		
97.	Both sound and light				
	(a) Vacuum		(c) Both (a)and (b)	(d) None of the above	
98.	A man stands in from		finds that his image is I	arger than himself. The	
	(a) Convex	(b) Concave	(c) plane	(d) Both (a) and (b)	
99.	Each lung is enclose covers the surface of		mbrane called as pleura	The membrane which	
	(a) Visceral pleura	(b) Lung pleur	a (c) Peritoneal pleura	(d) Parietal pleura	
100.	Nitrogenous waste p	roducts are elimi	inated mainly as		
	(a) Urea in tadpole a	and ammonia in a	sdult frog		
	(b) Ammonia in tad	pole and urea in	adult frog		
	(c) Urea in tadpole a	and adult frog			
	(d) Urea in tadpole :	and uric acid in a	dult frog		
			1		

17/555/2019 - IX (A) 4 W/T

SECTION: D SOCIAL STUDIES

101.	Who	granted East in	ma Com	ipany the sole	right to	name w	iui uie i	Mat 1
	(a)	Robert Clive		(b)	Queen	Elizal	eth 1	
	(c)	John Richard	son	(d)	Queen	Elizal	beth II	
102.	The	first Indian wom	an to be	ecome Preside	nt of the	Indian	Nationa	al Congress was:-
	(a)	Sarojini Naid	u	(b)	Kamlı	Nehr	1	
	(c)	Kasturba Gar	ndhi	(d)	Begun	n Roke	ya Shak	chawat Hossain
103.	Land	d covered with g	rass shr	ubs on which	animals :	can gra	ze freel	y is known as:-
	(a) F	allow land	(b) O	vergrazing	(c) Pa	sture	(d)	Agricultural land
104.	Nam	e of the first co	antry in	the world to d	ievelop h	ydroel	ectricity	
	(n) N	Vorway	(b) Pa	kistan	(c) In	dia	(d)	Switzerland
105.	Bree	eding of fish in s	pecially	constructed t	anks and	ponds	is know	m as:-
	(a) /	Agriculture	(b) Se	ericulture	(c) Pi	scicult	ure (d)	Viticulture
106.	Ahn	nedabad is refer	red as th	eo	f India.			
	(a) I	Ruhr	(b)	Manchester	(c) B	oston	(d)	Chicago
107.	Hoy	w many member	s are no	minated by the	e Preside	nt to th	ne Rajya	Sabha?
	(a)	233	(b)	12	(c)	22	(d)	250
108.	The	Industrial Revo	lution s	tarted in	around	1750.		
	(a) I	France	(b) B	ritain	(c) R	ussia	(d) N	lone of these
109.	The B	British conquest	of Beng	al began with	the Battl	e of_	_	
	(a) Buxar		(b) Plassey				
	(0) Seringapatam		(d) Saraighat				

110.	The architect of New Delhi w	BS		
	(a) Edwin Lutyens & H Bake	r (b) Ki	ng George V	
	(c) Lord Lytton	(d) Qu	een Elizabeth.	
111.	The existence of more than or	ne level of go	vernment is known as	
	(a) Federalism (b) Sec	ularism	(c) Marginalism	(d) Communalism
112.	Money Bill is introduced			
	(a) Only in Rajya Sabha	(b) Only	in Lok Sabha	
	(c) In both the Houses	(d) By th	e Speaker of Rajya S	abha
113.	In which state of India is the	"Jim Corbett	National Park" situate	ed?
	(a) Uttarakhand (b) Gi	ijarat	(c) Assam	(d) Uttar Pradesh
114.	Which state of India is the hig	hest producer	of Jute?	
	(a) Assam (b) We	est Bengal	(c) Bihar	(d) Odisa
115.	A form of government when them accountable is known a	e people enjo	y equal political right	, elect their ruler and hold
	(a) Secular (b) De	mocratic	(c) Socialist	(d) Republic
116.	In order to prevent religior Indian Constitution bans	based exclu	sion and discriminat	ion of 'lower castes', the
	(a) Untouchability	(b)	Religious practice	5
	(c) Religion	(d)	Religious institution	ons
117.	Sustainable development see	eks to prevent		
	(a) Wastage of resources (b)	Pollution (c)	Loss of biodiversity	(d) All of these
118.	Of the earth's total water res	sources, the fr	esh water easily acces	ssible for our use is
	(a) More than 90%	b) 50%	(c) 1% (d) Le	ss than 1%

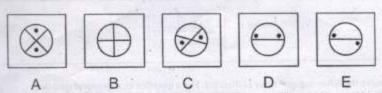
	119.	These	e are made to	protect our na	tural veget	ation a	nd wild life		
		(a)	National Pr	nrk	(b)	Wild	life sanctuaries		
		(c)	Biosphere	reserves	(d)	Allo	f these		
	120.	The l	argest produc	er and exporte	r of mica i	in the w	world is		
		(a) /	Australia	(b) India		(c) U	SA	(d) Russia	
	121.	Reso	urces which o	an be renewed	or reprod	uced ar	e known as		
		(a)	Exhaustible	e Resource		(b)	Non renewa	l source	
		(c)	Renewal so	ource		(d)	Useful Reso	urce	
122.		The Act on the "Protection of Women from Domestic violence" finally became a law in the year:-							
		(a) 2	003	(b) 2004		(c) 2	005	(d) 2006	
	123.	Righ	t to Informati	on (RTI) act g	uarantees	people'	s right to		
		(a) Know governmental proceedings (b) Get universal primary education							
		(c) S	peak out their	discontent fre	ely (d) H	old me	etings and pub	lic gathering	
	124.	Atth	ne village leve	l, the judicial	functions a	are perf	ormed by the		
		(a) N	yaya Pancha	yat (b) Gram	Panchayat	(c) D	District Judge	(d) Munsif	
	125.	Man	y of India's n	nost important	mining an	d indus	trial centre are	located in	
		(a)	Jamshedpur	(b) Rourk	ela (c) B	okaro	(d) All of th	iese	

SECTION E INTELLIGENCE

ILLUSTRATION SET

Below are given examples of the type of questions that you may find in the test. The given examples are just suggestive and given for practice and your understanding. Now, look at these examples carefully and understand how they are solved.

A. EXAMPLE There are five sets of figures in which 4 share a common property and make a group whereas one of them is different. Find out which figure is different from the other four.



Out of the above figures A, B, C, D & E except figure 'B' all figures have two black dots in the figure and thus form one group. Figure 'B' stands out as it does not have any black dot in it. So, the right answer is 'B' which is written in the answer box.

Answer is B

In a similar manner you may be asked to choose the set of alphabets or number which differ from their group. Try to understand the logic how they are grouped and solve the problem.

B. <u>EXAMPLE</u> Given below, some numbers are arranged in a particular sequence but one of the number is missing. Find the missing number from the given choices to complete the series.

21 31 41 51.....

(A) 81 (B) 51 (C) 61 (D) 71 (E) 60

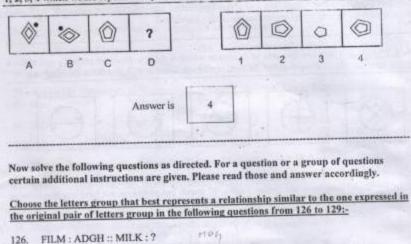
In the above series, there is a gap of ten numbers between the first number and the second consecutive number. To continue the series, the missing number would be 61. Therefore choice "B" is the correct answer to be written in the answer box.

Answer is

C

In a similar manner you may be asked to choose the set of given options to complete the series for alphabets or figures. You have to grasp the sequence logic and solve the given problems.

C. EXAMPLE Figures 'A' and 'B' have a particular relationship. Establish the similar relationship between figures 'C' and 'D' by choosing right figure amongst the four alternative 1, 2, 3, 4 which would replace the question mark in figure 'D'.



1	26.	FILM : ADGH :: M	ILK:?		
		(a) ADGF	(b) HDGE	(c) HDGF	(d) HEGF
-	127.	EIGHTY: GIEYTH	I :: OUTPUT : ?		
		(a) TUOTUP	(b) TUOUTP	(c) UTOPTU	(d) UOTUPT
N.	128.	CAT is to DDY as	BIG is to		
		(a) CLL	(b) CLM	(c) CML	(d) CEP
	129.	Bag is related to Lu	aggage in the same way	as Ship is related to	?
		(a) Coal	(b) Stock	(c) Cargo	(d) Weight

(a) Coal

Directions: Questions 130 and 131

Which number completes the second pair in the same way as the first pa	Which number	completes the	second	pair in	the	same	way	as the	first	pai
--	--------------	---------------	--------	---------	-----	------	-----	--------	-------	-----

3:243::5:_ 130.

(a) 425

(b) 465

(c) 546

(d) 3125

131. 6:24::5: ?

(a) 23

(b) 20 (c) 26

(d) 22

Find the missing character from among the given alternatives.

A2	C4	E6
G3	15	7
MS	09	014

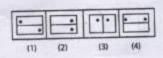
(a) J15

(b) K8

(c) K15

(d) L10

133. Choose the figure, which is different from others



(a) 1

(b) 2

(c) 3

(d) 4

134. Arrange the following words as per order in the dictionary.

1. Live 2. Litter 3. Little 4. Literacy 5.Living

(a) 3,4,2,1,5 (b) 3,2,4,5,1, (c) 4,3,5,2,1, (d) 4,2,3,1,5

In a certain code, TEACHER is written as VGCEJGT. How is CHILDREN written in that code?

(a) EJKNEGTP

(b) EGKNFITP (c) EJKNFGTO

(d) EJKNFTGP

136. If 30th January 2003 was Thursday, what was the day on 2nd March, 2003?

(a) Sunday

(b) Monday

(c) Saturday

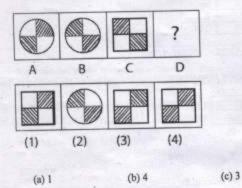
(d) Tuesday

137. In the following series, how many KGN occur in such a way that "G" is in the middle and "K" and "N" are adjacent to it on both sides?

AKGLMNDQKGCSNGKTGKGNDZPUXGKE

(a) 5	(b) 5	(c) 1	(d) 2	

- 138. Which word can't be formed by using the letters of the DISTRIBUTION word? Find that word.
 - (a) TRUST (b) SITUATION (c) TUITION (d) DISTURB
- 139. Select the figure from the answer set that would come in place of the question mark (?)



140 If Maya is the only daughter of Richa's grandmother's brother, how is Maya' daughter realtd to Richa?

(a) Niece (b) Cousin (c) Aunt (d) Mother

(d) 2

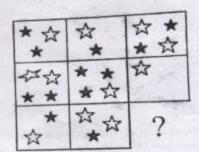
- 141 It is 3 O'clock in a watch and it is rotated by 10 degrees in a manner such that if the minute hand points towards the North-East, then hour hand will point towards which direction?
 - (a) South (b) South West (c) North West (d) South East

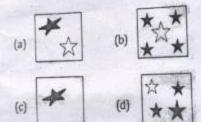
(a) 63

ATTENDED

- (b) 65
- (c) 84
- (d) 91

143. Which square should replace the question mark?





- 144. Village 'W' is 20 kms to the north of village 'X'. Village 'Y' is 18 kms to the east of village 'X'. Village 'Z' is 12 kms to the west of village 'W'. If Mannu starts from village 'Y' and goes to village 'Z' via village 'W', in which direction is he from his starting point?
 - (a) North-West
- (b) South (c) North-East
- (d) East

(d) Friday

- 145. If the 7th day of a month is 3 days earlier than Friday, what day will it be on the 19th day of the month?
 - (a) Monday
- (b) Sunday (c) Wednesday

		and the second second second						
146.		to Tarun, "T the daughter of						
	(a) Son	(b) Brothe	r (c)	Cousin	(d)	Brothe	r-in-law	
	THE RESERVE AND DESCRIPTION OF THE PERSON OF	ly the followi		ent of the l	English alp	habet	and answe	er the
	FIMPOV	WRNBEYO	CKAVLDO	XUHQI	SZT			
147.		he following p t as there are b				ween t	hem in the	above
	(a) AI	(b) EL	(c)	LS	(d)	мо		
		lid cube of each of side 2 cm					it is then co	rt into
148.	How many	cubes are there	e in all of a edg	ge 2 cm?				
	(a) 2	(b)	4	(c) 8		(d)	16	
149.	How many	cubes have no	face painted?					
	(a) 0	(b)	2	(c) 4		(d)	8	
150.	How many	cubes have on	ly one face pai	nted?				
	(a) 0	(b)	2	(c) 4		(d)	8	
						*		