On. Booklet No:	22011	Roll Number:				
Qn. Booklet No:		Roll Number:				<u> </u>

INSTRUCTIONS TO CANDIDATES

- 1. Fill in the OMR sheet carefully as per the instructions given on the back of the OMR Sheet / Admit Card. OMR sheet not correctly filled in will not be valued.
- 2. Write your Roll Number (all eight digits) and Version as **A** on the Question Booklet and on the left hand side of the OMR sheet (basic data part).
- 3. The examination consists of 100 Objective type multiple choice questions, which are to be answered in 100 minutes.
- 4. After opening the Question Booklet ensure that there are 100 Questions and that the printing of all the questions are legible. If there are any missing or illegibly printed questions, the matter may be reported to the Invigilator immediately.
- 5. There are 4 options (A, B, C & D) for each objective type question. Mark the most appropriate answer to each question by blackening fully the corresponding bubble in the OMR sheet with a black/blue ink ball point pen. For every correct answer 1 mark will be awarded. No deduction of mark will be made for incorrect answer and unanswered questions. Marking of more than one bubble against a question number in the OMR sheet shall be considered as an incorrect answer. Erasing, overwriting, partial marking, etc. shall also be treated as incorrect answer.
- 6. Rough work and calculations can be made in the blank pages attached to the question booklet. Watch, Calculator, Mobile phone, Electronic instruments etc. shall not be allowed in the examination hall.
- 7. The OMR Sheet and the Hall Ticket should be returned to the Invigilator. The Counterfoil of the Hall Ticket and Question Booklet and candidates copy of the OMR answer sheet can be retained by the candidate after the examination.
- 8. Answer keys will be published in the website www.lbscentre.kerala.gov.in after the examination. Complaints, if any, from the candidates regarding the questions, responses / probable answer may be sent to the Email id ddcc.lbs@kerala.gov.in before 5.00 p.m. within three calendar days from the date of publication of the answer keys. Complaints not substantiated with supporting documents will not be considered. However the decision of the experts regarding such complaints on the answer keys shall be final.
- 9. The Answer sheet of candidates who indulge in malpractice in any form shall not be valued
- 10. The candidates will be allowed to leave the hall only after the completion of the examination time and after handing over the Answer sheet to the Invigilator.

A

22011

100 MINUTES

1.	became famous for the law related to the magnitude of heat due to current.											
	A)	Prescott Joul			B)		s watt					
	C)	Hans Christia	an Oers	sted	D)	Mich	ael Faraday					
2.	Whic shock	ch one of the folk?	llowing	does no	t take j	place w	hen a person	is affecte	d by electric			
	A)	The body ter				decrea	ses					
	B)	Viscosity of			ases							
	C)	Body muscle										
	D)	Clotting of b	lood tal	kes place	2							
3.	Ther	e will be 6.022	$X 10^{23}$	carbon a	toms ir	1	gm of carbo	n.				
	A)	16	B)	8		C)	6	D)	12			
4.	The t	first organic cor	npound	l that wa	s prepa	red in a	laboratory:					
	A)	Chloroform	B)	Glyce		C)	Urea	D)	Glucose			
5.	The s	gland of the hur	nan boo	dy which	secret	es the h	ormone gluca	igon:				
	A)	Pancreas		-	B)		ary gland					
	C)	Gonads			D)	Adre	nal Gland					
6.	Irreg	ular movement	of mus	cles in h	uman b	eings ta	akes place du	e to	 .			
	A)	Epilepsy			B)	_	nson's diseas					
	C)	Alzheimer's	disease	;	D)	Asth	na					
7.	Artic	ele 51A of the C	onstitu	tion of I	ndia pe	rtains to)					
	A)	Qualification				esident	of India					
	B)	Fundamental										
	C)	Protection of		_								
	D)	Life and Per	sonal L	liberty of	f Citize	ens						
8.		ım was under th										
	A)	Portuguese	B)	Britis	h	C)	Dutch	D)	French			
9.	Wha	t is the time req	uired fo	or the Ea	rth to c	omplete	e the rotation	of 1 ⁰ lon	gitude?			
	A)	4 minutes	B)	8 min		C)	60 minutes		1440 minut	es		
10.	The 1	hot wind blowir	ng in the	e north I	ndian F	Plain:						
	A)	Doctor			B)	Mang	go showers					
	C)	Loo			D)	Chino	ook					
11.	The o	country which p	oroduce	s the lar	gest am	ount of	Rare Earths	in the wo	rld:			
		Russia		7	_				China			

12.	. The ministry in the Union Government implementing the Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS):									
	A)	Labour								
	B)	Rural develo	pment							
	C)	Finance								
	D)	Human resou	urce De	velopme	nt					
13.	On w	hich day Moth		-	brated i	n India	?			
	A)	The second S	-	-						
	B)	The first Sur	-	-						
	C)	The last Sun	-	-						
	D)	The first Sur	iday of	Aprıl						
14.	Kanc	ly, Vavuniya ar				cities in	n			
	A)	Bangladesh	B)	Nepal		C)	Sri Lanka	D)	Bhutan	
15.	Who	is the present F	Presiden	nt of Ukr	aine?					
	A)	Vahagn Kha	chatury	an	B)	Rume	en Radev			
	C)	Zoran Milan	ovic		D)	Volo	dymyr Zelensk	хуу		
16.	The t	famous Indian r	nusicia	n who po	pulariz	zed the	stringed instru	ment Sa	ntoor:	
	A)	Hariprasad C		-	B)		Kumar Sharma			
	C)	Amjad Ali K	Chan		D)	Pandi	it Ravi Shanka	r		
17.	The 1	Brita dance is a	traditio	nal folk	dance	of:				
	A)	West Bengal	l B)	Karna	taka	C)	Assam	D)	Rajasthan	
18.	Briha	ndeswara templ	e is loca	ated in						
-0.	A)	Karnataka	0 10 10 00		B)	Andh	ra Pradesh			
	C)	Tamil Nadu			D)		ırashtra			
19.	Gone	l tribe belongs t	to	India						
1).	A)	Central				C)	Northeast	D)	East	
	11)	Central	D)	South		C)	rvortifeast	D)	Last	
20.		invented the U		iversal S						
	A)	Sam Pitroda			B)	Bill C				
	C)	Ajay V. Bha	tt		D)	Mark	Zuckerberg			
21.	Who	first measured	the circ	umferen	ce of th	ne Earth	n?			
	A)	Plato	B)	Galile	0	C)	Ptolemy	D)	Eratosthenes	
22.	Find	the mis- match	?							
	A)	Germ theory			_	Louis	s Pasteur			
	B)	Virus			_	Marti	nus Beigerinic	k		
	Ć)	Continental l	Drift		_		d Wegener			
	D)	Periodic tabl	e		_	Grego	or Mendel			

23.	Find t A)	he correct mate Pathummayu		ok and	Benya	nmin				
	B)	Oru Sankeertl		Pole	_	Perun	nbadavam Sre	edharan		
	C)	Aadu Jeevitha	am		_	Vaiko	m Muhamma	d Bashe	er	
	D)	Yanthram			_	Padma	arajan			
24.		among the follo	_		-		-			
	A)	Akkitham Na			B)		v Ghosh			
	C)	Chandrasekha	ıra Kan	nbara	D)	O. N.	V. Kurup			
25.		ashastra' was w		oy:						
	A)	Vishnu Sharm	na		B)	Premo				
	C)	Kautilya			D)	Kalida	asa			
26.	Which	n among the fol		is not c			_	?		
	A)	Nitrogen diox	ide		B)	Carbo	n dioxide			
	C)	Sulphur dioxi	de		D)	Lead				
27.	The n	nost abundant m	netal in	the crus	st of the	Earth:				
	A)	Mg	B)	Fe		C)	Si	D)	Al	
28.	Who a	among the follo	wing is	a Squa	sh play	er from	India?			
	A)	Mithali Raj		-	B)	P. C.	Thulasi			
	C)	Deepika Palli	kal		D)	Aditi	Ashok			
29.	Kera	la won the Sant	hosh tro	ophy for	the fir	st time i	n:			
	A)	1973- 74	B)	1991-	92	C)	1982- 83	D)	1976- 77	'
30.		captain of the Olympics in 2		Men's	hocke	y team	which won	the br	onze meda	ıl at
	A)	Bharat Chettr	i		B)	P. R. S	Sreejesh			
	C)	Manpreet Sing	gh		D)	Parga	t Singh			
31.		ges of Anu and ratio 3:4. The					-	e their ag	ges will be	
	A)	10,14	B)	15, 2	-	C)		D)	30, 42	
32.	stude	dent scored 40 p nt scored 60 per he pass mark. T	cent m	arks in	the san			•		er
	A)	24	B)	44		C)	64	D)	84	
33.		long will it take ont per annum?	to earr	a simp	le inter	est of R	upees 180 on	Rupees	2000 at 6	
	A)	15 months	B)	16 mo	nths	C)	18 months	D)	21 month	1S

34.	The ra	tio of the area of	of a squa	are to that of a	square o	drawn on its dia	agonal i	s:
	A)	1:1	B)	1:√2	C)	1:4	D)	1:2
35.	test an	examination 48 d 58 percent of er failed both te	the tota	al number passo	ed the E	inglish test. Wh		
	A)	46	B)	44	C)	34	D)	24
36.		verage age of a will be the ratio			years. It	f the ratio of the	eir ages	is 5:1,
	A)	10:3	B)	5:2	C)	4:3	D)	3:1
37.	share i	of money is di is ₹4872, what	is the to	tal share (in Ru	ipees) o	of C and D?		
	A)	15312	B)	15321	C)	13512	D)	13125
38.	_	per cent above a e gained even a		-			that 20	percent
	A)	20	B)	25	C)	40	D)	50
39.		osts of a table and percent respec				. If they be incr	eased b	y 20 percent
	A)	60 : 77	B)	16:17	C)	66 : 70	D)	6:7
40.	length	rains are runnin 120 metres and h km/hour is:				-		
	A)	10	B)	18	C)	36	D)	72
41.		travels from heed of 10 km/h			-			
	A)	50 km	B)	75 km	C)	100 km	D)	150 km
42.	of app	iction of 20 per les for ₹ 120. V	Vhat wa	s the price of a	kg. of a	apples before re	eduction	?
	A)	₹10	B)	₹ 12	C)	₹15	D)	₹ 20
43.		verage age of a ged 22, were re 24 yrs						
44.		of₹950 amou				mple interest.	What wo	ould be the
	A)	at if the interest ₹1013	B)	1026 Tuced by 2 pero	C)	₹ 1032	D)	₹ 1045

Read	the foll	lowing passage	and fi	nd out the ans	wers to	the questions	51 - 56	:
	A)	7	B)	27	C)	15	D)	63
50.		out the wrong n 15, 27, 63, 127,		in the series:				
49.		the missing num 0, 30, 45, 35, 40 30		the series:	C)	40	D)	45
48.		ge of a father 10 vill be twice that 5:2	-	-	_	-		8:5
47.	that d	g a 6-day class, uring the last th 10, what was th 200	ree day	s was 220. If the	ne avera	ige attendance i		
46.		atio of the speed running at the r 3:5			nd is:	the rate of 45 l 5:8		r and the 8:5
	what (A)	is the speed of t 25 km/hour		downstream? 22 km/hour	C)	20 km/hour	D)	18 km/hour

The speed of a boat in still water is 20 km/hour. If the speed of the stream is 5 km/hour,

45.

The Antarctic is the most remote continent and the last to be discovered but it constitutes about a tenth of the world's land surface. It is also the only continent without an indigenous human population.

In the past it had a warm climate supporting luxuriant vegetation and large animals, but the climate deteriorated over the last 30 million years, once the great continent Gondwana had drifted apart sufficiently for a circumpolar current to become established. This, the largest ocean current in the world, cut off Antarctica from the warmer oceans to the north and allowed the ice sheets, in places over four kilometres thick, to develop.

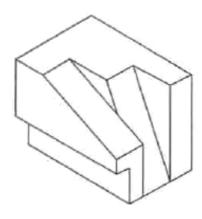
This region is the earth's major heat sink and contains ninety percent of the world's ice and nearly three-quarters of its fresh water. Only two percentage of the continent is not covered by ice and life retains a tenuous foothold there.

Nearly half of line is hidden by thick floating ice shelves or glaciers and the rest is scoured by iceberg down to the depth of 15 metres or more which limits coastal life. But below this level where water temperatures are same there is a colourful marine world containing a great diversity of life. The southern ocean makes up a tenth of the world ocean, and the expansion and contraction of the surrounding sea ice is the largest seasonal process on Earth. Recent work has shown that the pack ice provides a surprisingly productive winter habitat for a number of small creatures, the most important of them being krill.

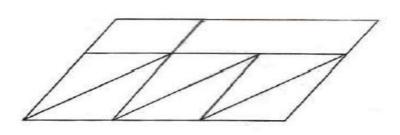
51.	Which of the following statements is not true about Antarctica? A) It is a far off continent.										
	A) B)	It does not h			umon	hahitati	on				
	C)	It has a warr	-		iuiiiaii	navnan	011.				
	D)	Once it had			nimals						
	D)	Once it mad	vegetati	on and a	iiiiiais	•					
52.		rctica was sepa		om the w							
	A)	Ocean curre	nt		B)		riant vegetat	ion			
	C)	Gondwana			D)	Large	e animals				
53.	What	t portion of the	world's	fresh wa	ater do	es the c	ontinent cont	ain?			
	A)	Two percent			B)		y percent				
	C)	Three quarte	ers.		D)	Fifty	percent				
54.	Whic	ch of the words	in the n	assage is	s onno	site in n	neaning to the	e word 'st	rong?'		
J 1.	A)	Luxuriant	in the p	assage i	В)	Tenu	_	e word st	iong.		
	C)	Deteriorated	[D)	Scou					
		0.1		1:0 :							
55.		of the continer		lite is p			C.1 .1				
	A)	Two percent			B)		of the earth	1 11 C			
	C)	Three percer	nt		D)	A ten	th of the wor	ia's suria	ce		
56.	Mear	ning of the wor	d 'indige	enous' gi	ven in	the pas	sage is:				
	A)	Heterogeneo			B)	Hom	ogeneous				
	C)	Comfortable			D)	Nativ	re				
57.	I lost	umbrella	you gav	e me the	other	day. Fi	nd the suitabl	e article			
	A)	an	B)	a		C)	the	D)	No article		
58.	We h	ave not used th	nat road	for sever	ral vea	rs The	nassive form	of the se	ntence is:		
00.	A)				-		•	or the se	1101100 15.		
	A) That road has not been used for several years.B) That road was not used by us for several years.										
	C)	That road ha		-		-					
	D)	That road is				-					
59.	Mear	ning of the idio	m 'hand	s down.'							
٥).	A)	Comfortably		Tedio		C)	Enviously	D)	Effortlessly		
	11)	commonuory	2)	10010	asiy	Ο)	Enviousiy	2)	Elicitioscij		
60.		out the gramma	_			e:					
	A)	Tell me whe	-	-							
	B)						been apprecia	ated.			
	C)	He has no kr					ence.				
	D)	The boy insi	isted to l	ouy a kit	e for h	im.					
61.	Crue	lty to animals -	ser	iously lo	oked u	ipon by	the society n	owadays			
	A)	are	B)	is		(C)	has	D)	have		
					_						

62.	Ram	esh to be	back at	t work to	W.						
	A)	expected			B)	expe	pects				
	C)	has expected	1		D)	will e	expect				
63.	It wa	s careless	- him to	leave th	e door	unlocke	ed.				
	A)	with	B)	of		C)	on	D)	about		
64.		dreds of civilian					_		_		
	A)	replaced	B)	revan	nped	C)	vacated	D)	evacuated		
65.	Wou	ld you like to h	ave	sugar ii	n your	tea?					
	A)	a few more			B)	few					
	C)	fewer			D)	a littl	e more				
66.	Pick	out the part of	the follo	owing se	entence	that co	ntains an erro	or.			
	We v	vould come/ to		you,/ if	we had		•	oming.			
	A)	we would co			B)		ceive you				
	C)	if we had kn	own		D)	you v	were coming				
67.	She v	wasby the	false p	romise h	e had i	nade to	her. Choose	the correc	ct phrase.		
	A)	taken over			B)	taker	ı up				
	C)	taken in			D)	taker	ı down				
68.	' Th	ne new genera	ition co	ourses th	nat rec	eived t	he nod fron	n the Hi	gher Education		
		rtment will co							-		
	A)	Complex ser			B)	_	pound senten		-		
	C)	Simple sente	ence		D)	Com	pound comple	ex senten	ce		
69.	A sw	arm of flies; A	herd of	f elephan	nts; A -	o	f thieves?				
	A)	Group	B)	Team		C)	Batch	D)	Gang		
70.	He as	sks me, 'Can I ı	use vou	r phone?	" The a	uestion	may be repor	rted as:			
	A)	He asked me	-	-	-		-				
	B)	He asks me				- 1					
	C) He asked me whether I can use your phone.										
	D)	He asked me			-	-					

71. Find out the total number of surfaces of the solid in the given figure.

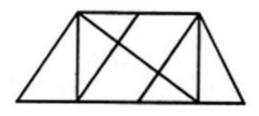


- A) 12
- B) 14
- C) 10
- D) 13
- Find out the total number of parallelograms in the given figures.



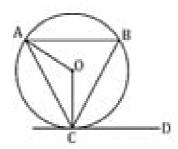
A) 12 C) 20

- B) 16
- D) None of these
- 73. The dimension of a standard A4 paper is:
 - A) 20cm x 24cm
- B) 18cm x 26cm
- C) 21cm x 29.7cm
- D) 20cm x 28.6cm
- 74. Find out the total number of triangles in the given figure.



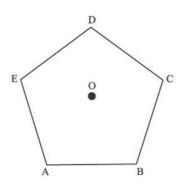
- A) 15
- B) 14
- C) 12
- D) 10

75. In the given diagram O is the centre of the circle and CD is a tangent. ∠CAB and ∠ACD are supplementary to each other ∠OAC = 30°. Find the value of ∠OCB.



- A) 30^{0}
- B) 60^{0}
- C) 45^{0}
- D) 90⁰

76. ABCDE is a regular pentagon. O is a point inside the pentagon such that AOB is an equilateral triangle. What is ∠OEA?



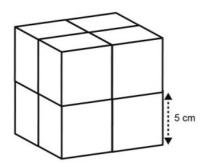
- A) 108^0
- B) 60^{0}
- C) 72^{0}
- D) 54⁰

77. How many faces does an icosahedron have?

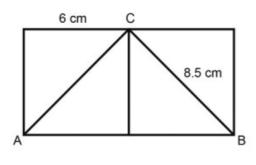


- A) 12
- B) 16
- C) 20
- D) 18

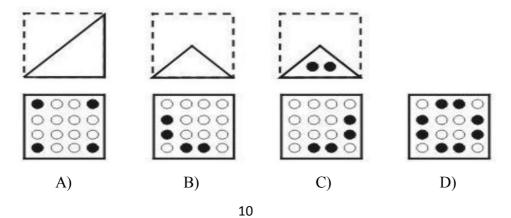
78. What is the volume of the cube in the figure below?



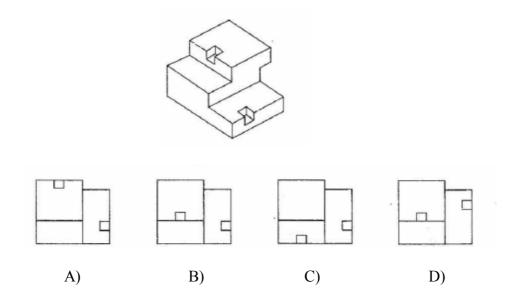
- A) 1000 cm^3
- B) 625 cm^3
- C) 725 cm³
- D) 750 cm^3
- 79. What is the perimeter of ABC in the below given shape?



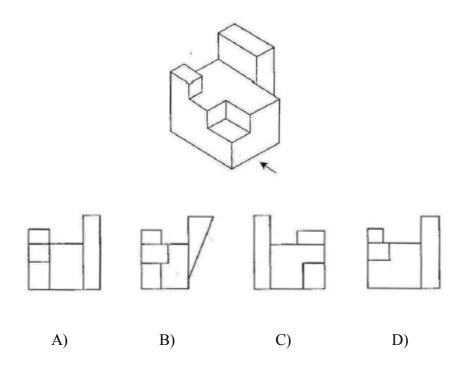
- A) 26cm
- B) 25cm
- C) 29cm
- D) 30cm
- 80. The following images show how a paper has been folded and punched in the end. Choose the correct pattern when it is open.



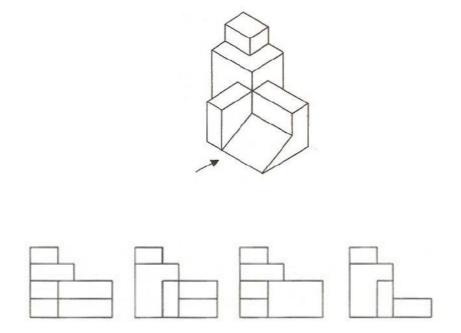
81. Identify the correct top view of the given figure.



82. Identify the correct view of the given object from the side indicated by arrow:



83. Identify the correct view of the given object from the side indicated by arrow:



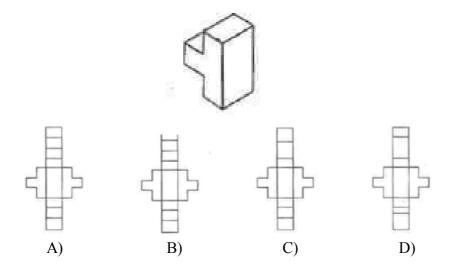
B)

A)

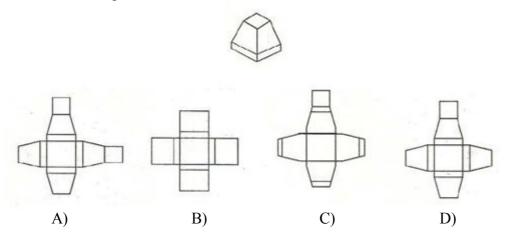
84. Identify the correct shapes from the given figures from which the problem figure can be developed.

C)

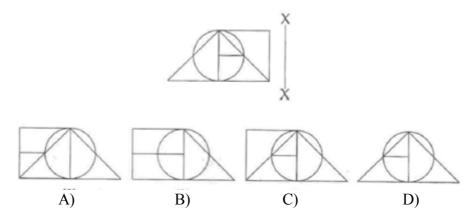
D)



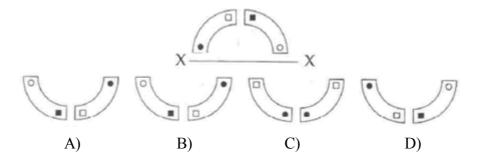
85. Identify the correct shapes from the given figures from which the problem figure can be developed.



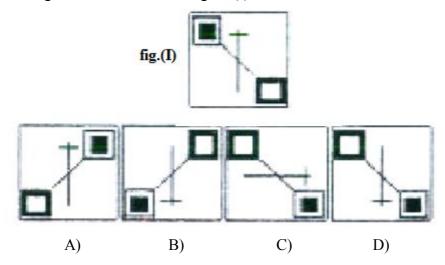
86. Find the exact mirror image of the question figures with respect to the X-X axis shown.



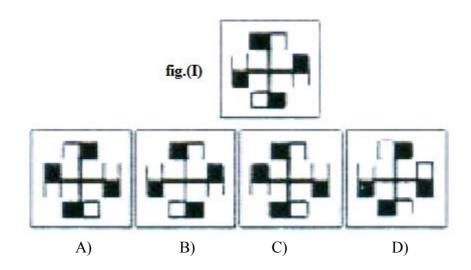
87. Find the exact mirror image of the question figures with respect to the X-X axis shown.



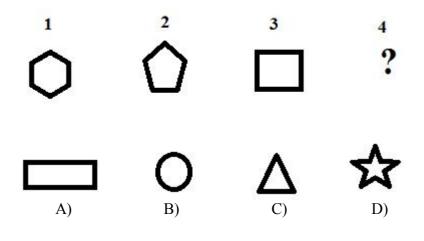
88. Which figure is identical to the figure (I)?



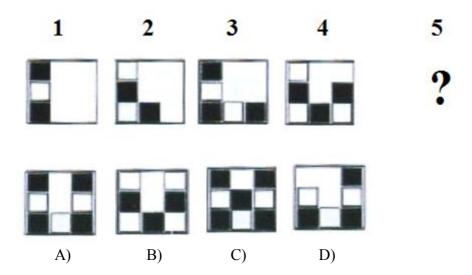
89. Which figure is identical to the figure (I)?



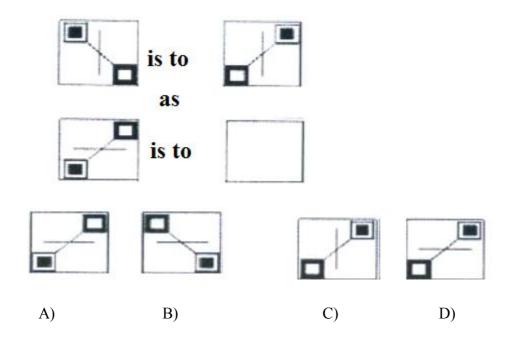
90. Which figure is the fourth in the sequence?



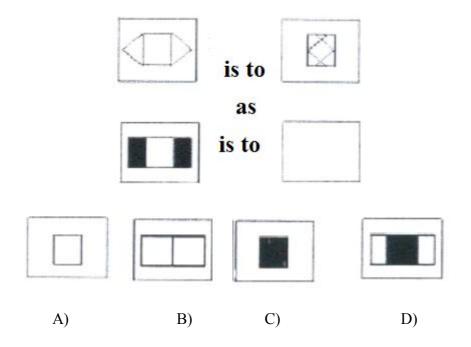
91. Which figure is the fifth in the sequence?



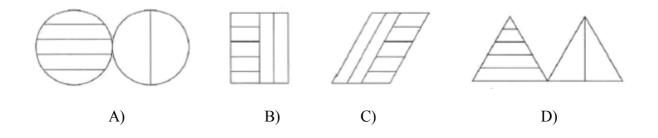
92. Which figure completes the statement?



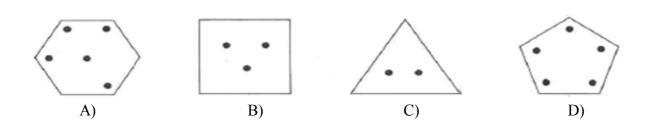
93. Which figure completes the statement?



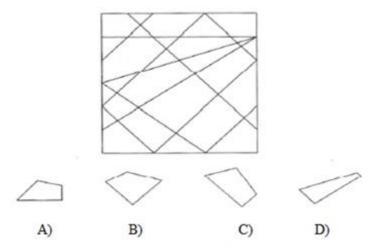
94. Find the odd figure out.



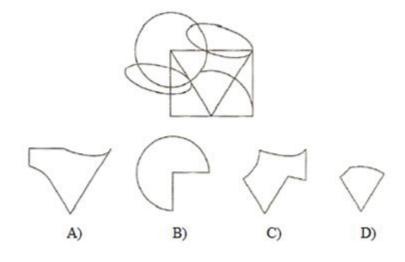
95. Find the odd figure out.



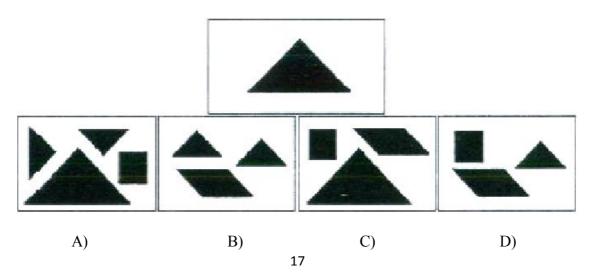
96. Find out the shape which is hidden in the given figure.



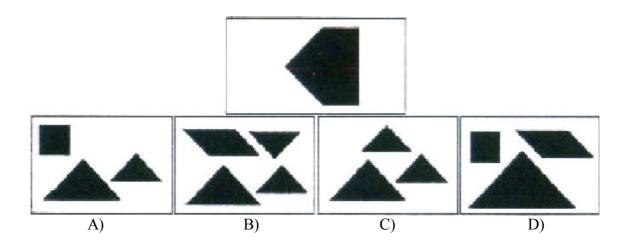
97. Find out the shape which is **not** hidden in the given figure.



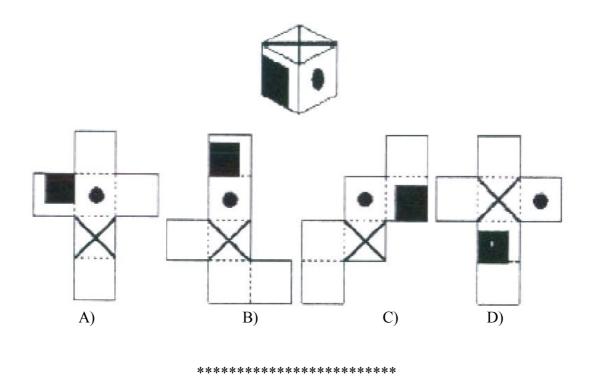
98. Which group of shapes can be assembled to make the shape shown?



99. Which group of shapes can be assembled to make the shape shown?



100. Which pattern can be folded to make the cube shown?



A

23015 100 MINUTES

1.	The architect who designed the new Parliament building of India:										
	A)	B V Doshi			B)	Bima	al Patel				
	C)	Raj Rewal			D)	Bijoy	y Jains				
2.	Mun	dra Port is sit	uated 1	n:							
	A)	Odisha	B)	Gujar	rat	C)	Karnataka	D)	West Benga		
3.	The	first National	Institut	e of De	sign w	as estal	blished in 19	061 at:			
	A)	Jorhat			B)	Kuru	ıkshetra				
	C)	Ahmadaba	d		D)	Bhop	oal				
4.	The	oldest Malaya	alam ne	wspape	r whic	h is nov	w in circulat	ion:			
	A)	Malayala N			B)		ırubhumi				
	C)	Kerala Kau	ımudi		D)	Deep	oika				
5.	Papı	ıa New Guine	a is an	island n	ation i	n the	ocean.				
	A)	Pacific	B)	India	n	C)	Atlantic	D)	Arctic		
6.	The	French born A	America	an who i	is knov	wn as tl	ne 'Father of	Industr	ial Design'?		
	A)	Ralph Laur			B)		Ford				
	C)	Ivan Suther	rland		D)	Rayr	nond Loewy	7			
7.	The	first Indian Sa	atellite v	was laui	nched	in:					
	A)	1979	B)	1981		C)	1972	D)	1975		
8.	The	easternmost s	tate of l	India							
	A)	Nagaland			B)	West	t Bengal				
	C)	Arunachal	Pradesh	1	D)	Mizo	oram				
9.	Find	the correct r	natch o	of the S	ocial '	Welfare	Scheme ar	nd Benef	ficiaries of the		
	Gov	ernment of Ke	erala:								
	A)	Vayomitrai						stitute W			
	B)	Niramaya I		nsuranc	e Sche	eme		ferently			
	C)	Abhayakira						ınsgende			
	D)	Samanway	a				– Ser	nior Citiz	zens		
10.		tannoor Sanka	ırankutt	y is a w							
	A)	Kathakali			B)	Cher					
	C)	Ottanthulla	1		D)	Chak	xyarkoothu				

11.	Which country will be hosting the 2028 Summer Olympics?											
	A)	France			B)		d States of An					
	C)	Australia			D)	Unite	d Arab Emirat	tes				
12.	Which A) B) C) D)	ch one of the for It is a combine A medium is Radio wave It is transver	ned for s essen is a typ	rm of ele tial for i pe of ele	ectric ts pro	field an pagatio	d magnetic fien		?			
13.		ng the following	_			e highes	t approximate	densit	y at normal			
	A) 1	Coconut oil		Water		C)	Saline water	D)	Kerosene			
14.	The i	metal which is Silver	separa B)	ited by e		lysis: C)	Tin	D)	Aluminium			
15.	The IA)	Law of Conser Lavoisier John Dalton		of Mass	s was ; B) D)		h Proust					
16.	The licitize A)	Part of the Conens: Part IV	stitutio	on of Inc Part V		ated to	the fundament Part V	al duti D)	es of its Part III			
17.	A blo A) B) C) D)	ood clot in the Platelets, Th Red Blood C Red Blood C Red Blood C	rombii Cells, P Cells, V	n Platelets White Bl	ood c	ells, Fib	-					
18.	An M A) B) C) D)	ARI (Magnetic Record of el- Record of el- Three-dimen The structure	ectric vectric	waves ir waves ir visuals	the b the h of inte	rain eart mu ernal or	scle gans	get the	:			
19.		among the fol eation Society? Gopalakrish G G Agarkan	na Gol		B) D)	Bal G	member of the angadhar Tila dev Govinda l	k				
20.	The JA)	process of hori Terrestrial ra Advection			of he B) D)		uction	e atmos	sphere?			

21.	Ozone layer is located in:											
	A)	Stratosphere	;		B) Ionosphere							
	C)	Troposphere			D)	Asthe	nosphere					
22.	A rac	lioactive mine	ral fou	nd in the	beach	sands	of Kerala:					
	A)	Ilmenite	B)	Monaz		C)	Sillimanite	D)	Rutile			
23.	Which of Inc	ch among the f	ollowii	ng is not	t true a	bout A	adhaar Card	of the (Government			
	A)	A 12-digit u	_	-	for ev	ery Inc	lian individua	al, incl	uding			
	B)				ven a s	ingle ı	ınique Aadha	ar ID r	number			
	C)		unique	ness of	every i	individ	lual on the ba					
	D)						no has identif	ication	documents			
24.	The World Environment Day theme for 2022 was:											
	A)											
	B)											
	Ć)	#Beat Plastic Pollution										
	D)	Only One Ea	arth									
25.	Serbia, Croatia, Slovenia and Bosnia were part of the erstwhile											
	A)	USSR		B)	Czecł	noslovakia						
	C)	Yugoslavia			D)	Hung	ary					
26.	Present Union Minister of Commerce and Industry Government of India:											
	A)	Kiran Rijiju			B)		ag Thakur					
	C)	Piyush Goya	al		D)	Naray	an Rane					
27.	The present Governor of Reserve Bank of India is:											
	A)	Rajiv Kuma			B)							
	C)	Shaktikanta	Das		D)	Urjit !	Patel					
28.	The f	first constitution	on litera		ct in Ir							
	A)	Kollam	B)	Kota		C)	Kohima	D)	Kolhapur			
29.		ta caves are lo										
	A)	Jharkhand	B)	Mahar	ashtra	C)	Rajasthan	D)	Karnataka			
30.	Thal	akkal Chandu	was th	e leader	of:							
	A)	Kurumans	B)	Irulars		C)	Kurichias	D)	Kanikkars			

31.	Add suitable article to the sentence: It was unanimous decision.										
	A)	A	B)	An	C)	The	D)	No article			
32.		the correct the book		n in the follov	ving se	entence:					
	A)	of	B)	on	C)	off	D)	at			
33.		ose the suita	_	al verb to com	plete t	he sentence:					
	A)	Put on	B)	put down	C)	put up	D)	put off			
34.	Pick A)	the word the magnefic	nat is spelt eent B)	-	C)	inefficiount	D)	innecence			
35.	The A)	word <i>ferver</i> calm	ntly means B)	: apathetic	C)	frigid	D)	ardent			
36.	Which of the following gives the meaning for "to find a common ground?" A) to differentiate B) to come to an agreement C) to enumerate D) to discover							round?"			
37.	Ident A) C)	,									
38.		appropriate yone was h wasn't ev weren't e	appy,? veryone	tag. B) D)		n't they en't they					
39.	-		•	n in the senten during the pic Enjoyed		Themselves	D)	Picnic			
40.		was mendir Socks we Socks wa Socks we	ng socks. ere mended as mended ere being n	•	ſ .						

41.	Change the sentence into indirect speech. "How old is the bride?" father asked.										
	A) Father asked how old was the bride.										
	B)	Father as	ked how	old the bride	was.						
	C)	Father as	ked how	old is the brid	le.						
	D)	Father as	ked how	old the bride	is.						
42.				orm from tho ed good mark	_	n below.					
	A)	has	B)	have	C)	were	D)	are			
43.			_	ng the suitabli since 1990.	le form	of verb give	en below:				
	A)	live		B)	livec	l					
	C)	are living	5	D)	have	been living	5				
44.	Iden	tify the erro	r in the u	nderlined sec	tions of	the sentenc	e if any.				
	Man	Many a patriot/ have died/ for the cause. No error.									
		1	2	3	4						
	A)	1	B)	2	C)	3	D)	4			
45.	Complete the following sentence using the appropriate clause.										
	No sooner had we heard the noise,										
	A)										
	B)										
	C)	, <u>.</u>									
	D)	when we		_							
46.	Fill in the blank space with the most suitable adverb clause given below: You should work hard you should fail.										
	A)	lest	B)	•	C)	unless	D)	else			
		For questions (47-50), Read the following passage and answer the questions									
	\sim	given below: Patience and the capacity for sustained hard work are qualities essential for									
			-	-			-				
		-		can only b		-		-			
	_	qualities. Feverish haste and hurry do not serve any purpose. The great city of Rome was built through the sustained efforts of a succession of great mer									
			_					_			
		-		imilarly, the	-						
				nen over a pe							
				de their disc			-				
	-			proverb "Roi			-				
			-	d, where we	often s	see people	confused	by too r	nuch		
	hurr	y and too m	any goals								

47.	The qualities essential for success are:											
	A)	Patience	ر امسما ا		B)		Hard work Efforts					
	C)	Patience and	u naru	WOIK	D)	EHOI	rts					
48.	Fever	rish in the pas	sage m	eans:								
	A)	ý					ng excitement	t				
	C)	Quiet			D)	Repo	ose					
49.	A dec	cade is a perio	od of:									
	A)	10 years	B)	20 ye	ears	C)	100 years	D)	200 years			
50.	A per is a	rson who rese	arches	to adva	nce kn	owledg	ge in an area o	of natura	al sciences			
	A)	Naturalist	B)	Bota	nist	C)	Physicist	D)	Scientist			
51.	The s	The sum of first five prime numbers is:										
	A)	17	B)	11		C)	28	D)	18			
	meas for th A)	uring 40cm, 4 e umbrella?	40cm a		m. Hov	378 x		_	piece of cloth our is required			
	C)	384√31cm	,-		D)	420 1	/31cm ⁻					
53.	When the price of a product was decreased by 20%, the number of products sold increased by 40%. What was the increase on the total revenue?											
	A)	12%	B)	15%		C)	17%	D)	18%			
54.		ummer camp If 42 students		the car	np, the		long would th	ne food	last?			
	A)	28 days	B)	32 da	ays	C)	35 days	D)	45 days			
55.	not th	nily consist or ne mother of C nter of E. Who	C. E and	d G are	marrie	d coup	le. B is the b					
	A)	F	B)	G		C)	В	D)	None of these			
56.	is 5 n 15 re	me is started value than 3 tired balls are rerelation. How many ba	nes the	green After s	balls. <i>A</i> everal	At each rounds	round of the , there are 3 g	game, 7				
	Δ	34	נם	130		C_j	210	נש	413			

57.	In a two-digit number, the unit's digit is 4 more than that of ten's digit. The sum of the digits is 36 less than the number. What is the product of the digits of the number?									
	A)	24	B)	28	C)	32	D)	36		
58.	The positions of the first and last alphabets in the word PRODUCTION are interchanged. Similarly, the positions of the second and second last alphabets are interchanged and so on. Which of the following will be the fourth to the right of the eighth alphabet from the right end after the rearrangement?									
	A)	O	B)	D	C)	C	D)	U		
59.	grape	wholesale fruit s is ₹ 15 per k hen the price o	g and T	Type B is ₹ 20	per kg					
	A)	₹ 17.00	B)	₹ 18.00	C)	₹ 18.50	D)	₹ 19.50		
60.	The	sum of 9 th and	11 th te	rm of the sequ	ience√	$\frac{2}{2}$, $\sqrt{10}$, $5\sqrt{2}$	2 , is:			
	A)	3750√2	B)	$3750\sqrt{10}$	C)	$16250\sqrt{2}$	D)	$16250\sqrt{10}$		
61.	 A clock loses 4 minutes every hour and was set right at 5.00 PM on Wednesday. When does the clock shows the right time again? A) 5.00 AM on next Wednesday B) 7.00 AM on next Wednesday C) 5.00 AM on Thursday of the next week D) 5.00 PM on Thursday of the next week 									
62.	In a population of 1200, the number of married couples is as much as the number of singles. What is the number of married persons?									
	A)	525	B)	600	C)	750	D)	800		
63.	Father is aged three times more than his son Ronit. After 8 years, he would be two and a half times of Ronit's age. After further 8 years, how many times would he be of Ronit's age?									
	A)	2 times	B)	3 times	C)	4 times	D)	8 times		
64.	Umes Ajith	men are standi sh, Shaan and is between Un position of U	Ajith. U nesh ar	Jmesh, Shaan nd Shaan. If Sl	and A haan is	jith are to th	ne right of	Rahim.		
	A)	First	B)	Second	C)	Third	D)	Fourth		

7

23015 A

65.	km to	oman goes 24 fowards south for direction is shaped 7 km east 7 km west	from th	ere. The	n she	goes 3 oint? 5 km	-		-			
66.		many even nu ediately preced							which are			
	6656839436736432864682663											
	A)	1	B)	2		C)	3	D)	4			
67.	numl will l	the numbers pers which cor pe left after the	ntain 3 e remov	as one o val?		ligits a	re removed.	How ma	ny numbers			
	A)	22	B)	23		C)	24	D)	25			
68.	If a:	b = 3:4 and i	b:c=3	3:4 , then	1	is eq	ual to:					
	A)	$\frac{1}{2}$	B)	14 27		C)	75 84	D)	37 48			
69.	each secon	trains of lengt other on paral nds will they b	lel trac e clear	ks with of each	speed	s 65 km from t	n/hr and 55 k he moment t	km/hr. In hey meet	how many t?			
	A)	6	B)	9		C)	12	D)	15			
70.	Vivek travels from his home to his friend's home at a speed of 60 km/hr and returns home along the same route at a speed of 30 km/hr. What is the average speed during the whole journey?											
	A)	40 km/hr	B)	45 km	/hr	C)	50 km/hr	D)	55 km/hr			
71.	Find	out the total n	umber	of surfa	ces of	the so	lid in the give	en figure	::			
		4	ZZ	7								

18

D)

C)

15

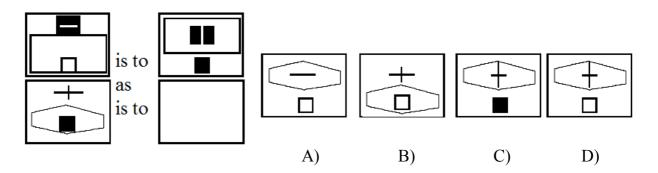
B)

12

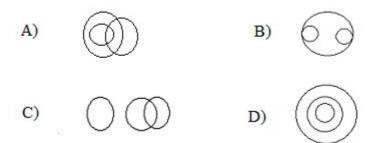
A)

21

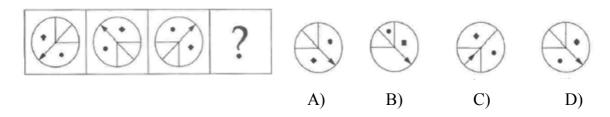
72. Which figure completes the statement?



73. Which of the following diagrams represent the relationship among males, fathers and doctors?



74. Which figure comes next?



- 75. Volume in a design is the ----.
 - A) Solidity

- B) Direction extension
- C) Extension of shape
- D) Both B and C

76. The ratio between the perimeter and the breadth of a rectangle is 5 : 1. If the area of the rectangle is 216 sq. cm, what is the length of the rectangle?

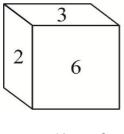
- A) 15 cm
- B) 18 cm
- C) 21 cm
- D) 20 cm

77. How many sides does a dodecahedron have?

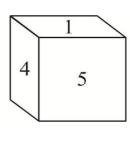


- A) 12
- B) 14
- C) 24
- D) 18

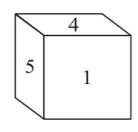
What is the number which comes in place of '?' 78.



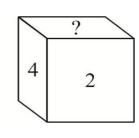
A) 8



B) 6



C) 3

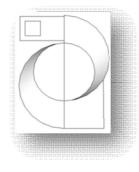


1 D)

A hall is 15 m long and 12 m broad. If the sum of the areas of the floor and the 79. ceiling is equal to the sum of the areas of four walls. What is the volume of the hall?

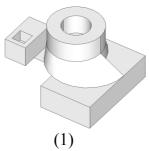
- $1500 \, m^3$ A)
- $3600 \ m^3$ B)
- C) $1800 \, m^3$
- $1200 \, m^3$ D)

Which figure has the same top view as the problem figure given below? 80.



1

A)

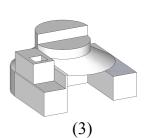


B)

2



(2)

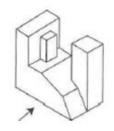


3

D) None of these

81. Identify the correct view of the given object from the sides indicated by arrow.

C)











82 A cube of side 4 cm is painted black on the pair of one opposite surfaces, blue on the pair of another opposite surfaces and red on the remaining pair of opposite surfaces. The cube is now divided into smaller cubes of equal side of 1cm each. How many smaller cubes having less than 2 sides painted are there?

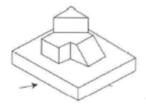
15 A)

18 B)

C) 32

24 D)

83. Identify the correct view of the given object from the sides indicated by arrow.











84. Identify the correct shapes from the given figures from which the problem figure can be developed.





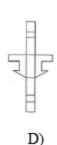
A)



B)



C)



85. A standard Rubik's cube consists of ---- number of colours.

A)

B)

8

C)

5

D) 6

86. Identify the correct shapes from the given figures from which the problem figure can be developed.





B)

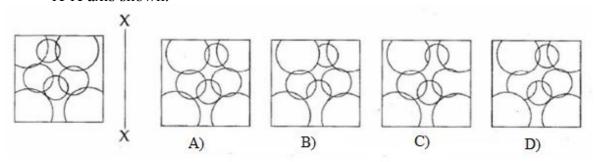


C)

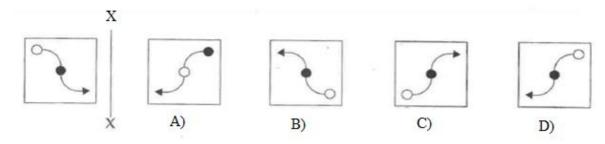


Find the exact mirror image of the question figures with respect to the 87.

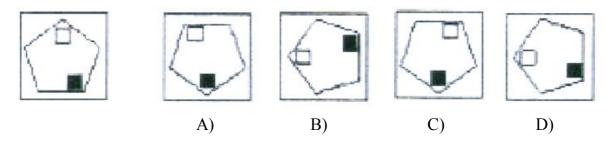
X-X axis shown.



- 88. ---- is **not** related to image format.
 - A) tiff
- B) jpeg
- C) bmp
- D) wav
- 89. Find the exact mirror image of the question figures with respect to the X-X axis shown.

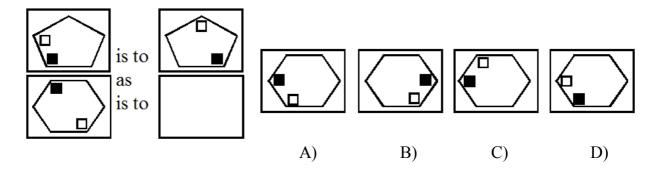


- 90. Gesture drawing is ----.
 - A) Landscape
- B) Movement of action
- C) Geometric drawing
- D) All the above
- 91. Which figure is identical to the first?

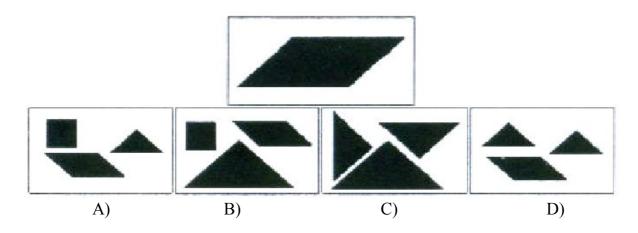


- 92. The arrangement of visual element:
 - A) Harmony
- B) Contrast
- C) Unity
- D) Composition

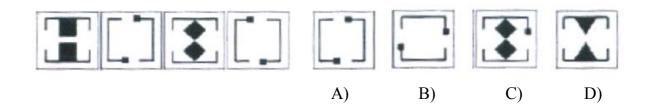
93. Which figure completes the statement?



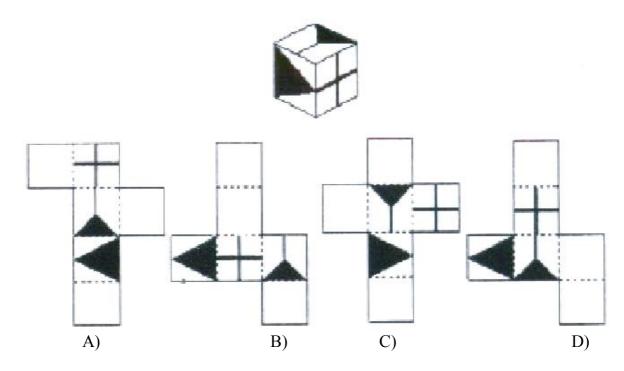
- 94. Forms repeated in a design:
 - A) Pattern B) Unity C) Illustration D) Variety
- 95. Which group of shapes can be assembled to make the shape shown?



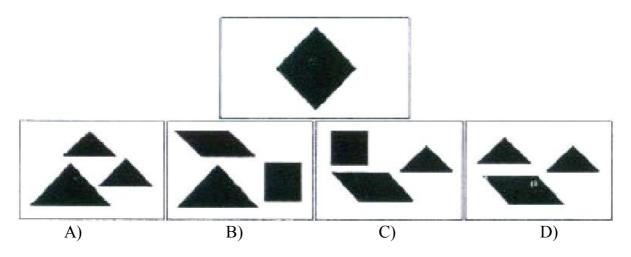
- 96. Identify the **incorrect** logo:
 - A) adani B) Nestle
 - $_{\mathrm{C})}$ TATA $_{\mathrm{D})}$ Milma
- 97. Which figure is next in the sequence?



98. Which pattern can be folded to make the cube shown?



99. Which group of shapes can be assembled to make the shape shown?



100. Identify the **mismatch** among the following:

