

HAVE CONTROL → HAVE PATIENCE → HAVE CONFIDENCE ⇒ 100% SUCCESS BEWARE OF NEGATIVE MARKING

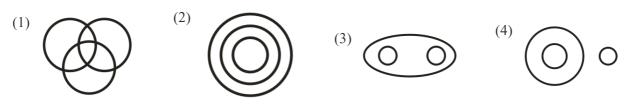
MENTAL ABILITY

This section contains **20 Multiple Choice Questions**. Each question has four choices (1), (2), (3) and (4) out of which ONLY ONE is correct.

1.	ABCDEFGH	ased on the following alpha I J K L M N O P Q R to the right of the eighteent		of the alphabet :
	(1) K	(2) O	(3) R	(4) P
2.	Choose the odd one out	•		
	(1) Flute	(2) Guitar	(3) Sitar	(4) Violin
3.	If the word MECHANI be coded in the same la		' in a certain code language	e, then how will 'WESTSIDE'
	(1) EWTSISED	(2) EWTSSIED	(3) EWTSISDE	(4) WETSSIED
4.	You go North, turn righ	t, then right again and then	go to the left. In which dire	ection are you now?
	(1) North	(2) South	(3) East	(4) West
5.	Find out the alternative	figure which contains figure	re (X) as its part	
		(2) (3) (4)		
6.	Which one of the four i	nterchanges in signs and nu	mbers would make the give	en equation correct.
	$(6 \div 2) \times 3 = 0$			
	(1) \div and \times , 2 and 3		(2) \times to -, 2 and 6	
	(3) \div and \times , 2 and 6		(4) \times to -, 2 and 3	
7.	Find the mirror image f	or the figure (X):		
	(X)	(1) (2) (3)) (4)	
8.	Which letter should be alphabet is reversed?	ninth letter to the left of nin	th letter from the right end,	, if the first half of the english
	(1) D	(2) E	(3) F	(4) I
9.	Find the missing term. 2, 12, 36, 80, 150, ?			
	(1) 194	(2) 210	(3) 180	(4) 252
				1/10



10. Which of the following diagrams indicates the best relation between Bus, Bike and Vehicle ?

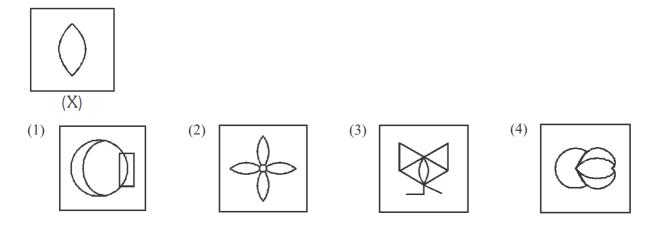


11. Find the correct option for the water image for the following question.

	PLEDGE ?
(1) P Γ H D C E	(2) b r b d d e
⁽³⁾ Γ Γ Γ Γ Γ Γ Γ	⁽⁴⁾ b Г Э О С Е

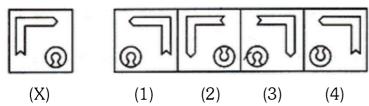
12. If the alphabet is written in the reverse order and every alternate letter starting with Y is dropped, which letter will be exactly in the middle of the remaining letters of the alphabet.A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

- (1) M (2) N (3) O (4) M or O
- **13.** Choose the pair in which the words are differently related from the rest.
 - (1) Army : General (2) Team : Captain
 - (3) Creche : Infant (4) Meeting : Chairman
- **14.** If CAT is 48, Z is 52. Then what is TEA equal to ?
 - (1) 48 (2) 52 (3) 60 (4) 50
- **15.** Two ladies and two men are playing a bridge game (cards) and are seated around a square table. No lady facing toward East. Person sitting opposite to each other are not of the same gender. One man facing toward South. Which direction are the ladies facing?
 - (1) East & West (2) South & East (3) North & West (4) North & East
- 16. Choose the alternative which is closely resembles the embedded figure of the given figure (X).





- 17. Solve the given equation to find the answer $(370 \div 70) + 309 847 + 86 = ?$
 - (1) 446.72 (2) 464.7 (3) 456 (4) -446.71
- **18.** Choose the correct mirror image of the given figure (X) from amongst the four alternatives.



19. In a row of 40 girls, when Komal was shifted to her left by 4 places her number from the left end of the row became 10. What was the number of Swati from the right end of the row if Swati was three places to the right of Komal's original position ?

(1) 22	(2) 23	(3) 25	(4) 24
Find the missing term.			
22, 24, 28, ?, 52, 84			
(1) 38	(2) 36	(3) 42	(4) 46
	Find the missing term. 22, 24, 28, ?, 52, 84	Find the missing term. 22, 24, 28, ?, 52, 84	Find the missing term. 22, 24, 28, ?, 52, 84



PHYSICS

This section contains **20 Multiple Choice Questions**. Each question has four choices (1), (2), (3) and (4) out of which ONLY ONE is correct.

21.	*	a failed fuse for the light he house-owner then uses e thing to do?			Ũ		
	(1) Fuses only allow the circuit to work if the rating is exactly right.						
	(2) The third fuse will melt because the rating is too high.						
	(3) Using a fuse with to	o high rating may cause ele	ectric	shocks.			
	(4) The circuit may wor	k, but the fault is not correct	cted.				
22.	An instrument used to m	easure atmospheric pressur	e is :				
	(1) Anemometer	(2) Barometer	(3)	Seismometer	(4)	Manometer	
23.	In the Kelvin temperatur	e scale, 0 K is the lowest te	mper	ature that an object ca	n hav	e, known as	
	(1) Volume of zero		(2)	Negative temperatur	es		
	(3) Zero calories		(4)	Abolute zero			
24.	Which of the following i	s/are not always necessary	to ob	serve a shadow?			
	(1) Source of light	(2) Sun	(3)	Screen	(4)	Opaque object	
25.	Motion of screw while g	oing in to the wood is an ex	kamp	le of			
	(1) linear and circular m	notion	(2)	rotational and curvil	inear	motion	
	(3) rotational and linear	motion	(4)	rotational and circul	ar mo	tion	
26.	Select the one in which h	neating effect of current is r	not us	ed.			
	(1) Electric iron		(2)	Electric immersion l	neater		
	(3) Electric geyser		(4)	A battery			
27.	The winds of the earth do (a) Of the seasons of the (b) Of the shape of the ea (c) Of the rotation of the	arth	th to	south" or "south to no	orth" c	directions because	
	(1) (a) only		(2)	(b) only			
	(3) (c) only		(4)	(a) and (c) both			
28.	The number of divisions	between melting point of i	ce an	d boiling point of wate	er on	Fahrenheit scale is:	
	(1) 100	(2) 80	(3)	273	(4)	180	

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					ASAT/SAMPLE PAPER/CL	ASS-I
29.	Normal					
	30° x	/ 				
	:					
	The value of x is (1)	(2) 450		000		
20	(1) 30°	(2) 45°		90°	(4) 60°	
30.		g object does not have mo		• •		
	(1) Screw		(2)			
• •	(3) See-saw			Soccer ball		
31.	_	rature scale in which wat				
	(1) 0 degrees; 100 de	-		32 degrees; 212 d	-	
	(3) 32 degrees; 180 d	-	(4)	180 degrees; 212	degrees	
32.	The correct symbol ba	ttery is				
			(2)	——– ⊭	<u>+</u>	
	(3)+ ⊢ ⊢		(4)	±		
33.	A limited heavy storm	which containts rains, w	inds and tl	hunder is called		
	(1) Lightning		(2)	Thunder		
	(3) Thunder Storm		(4)	Hurricane		
34.	The freezing and boili	ng point of water on kelv	in scales a	re :		
	(1) 373 K, 273 K	(2) Zero, 373 K	(3)	273 K, 373 K	(4) 32 K, 212 K	
35.	In pin hole camera, as	size of the hole increases	s, the imag	e gets		
	(1) bigger	(2) sharper	(3)	hazy	(4) smaller	
36.	The distance between	Ria's house and her scho	ol is 1540	meters. Convert th	his distance in km.	
	(1) 15.4 km	(2) 1.54 km	(3)	0.0154 km	(4) 0.1540 km	
37.	As shown in figure wh	nat do the longer line and	l shorter li	ne respectively rep	present in the symbol of el	ectric
			┥⊦	-		
	(1) Positive terminal,	Positive terminal	(2)	Positive terminal	, Negative terminal	
	(3) Negative terminal	, Positive terminal	(4)	Negative termina	l, Negative terminal	

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38.	Heat being transferred from the Sun to Earth is an example of which process ?					
	(1) Convection	(2) Radiation	(3) Induction	(4) Conduction		
39.	Air is not visible because (a) is nearly a perfectly t (b) neither absorbs nor re (c) transmits whole light	ransparent substance eflects light				
	(1) (a) only		(2) (b) only			
	(3) (a) and (c) both		(4) (a), (b) and (c)			
40.	While measuring a lengt end is 33.2 cm. What is	C	eading of the scale at or	ne end is 3.3 cm and at the other		

1	1) 00.0	$\langle \mathbf{a} \rangle$	20.1	(\mathbf{a})	20.5	(1)	20.2
(1) 29.9 cm	(2)	30.1 cm	(3)	29.5 cm	(4)	30.3 cm

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CHEMISTRY

	ction contains 20 Multip l ONE is correct.	le Choice Questions. Eac	uestion has four choices (1), (2),	(3) and (4) out of which
41.	Which among the follow	ral acid?		
	(1) Lactic acid		(2) Hydrochloric acid	
	(3) Citric acid		(4) Formic acid	
42.	Select the correct stater	nent for rusting of iron?		
	(1) It is a physical char	rge		
	(2) New substance is r	not formed		
	(3) It is a chemical cha	ange		
	(4) It is both on examp	ble of physical as well as	emical change	
43.	The last step in waste w	vater treatment is a	process.	
	(1) Biological	(2) Chemical	(3) Mechanical (4)	Physical
44.	An example of natural	fibre among the followin	s/are:	
	(1) Polyester	(2) Silk	(3) Orlon (4)	Nylon
45.	Turmeric changes to	color in basic	edium.	
	(1) Pink	(2) Green	(3) Brown (4)	Magenta
46.	Which of the following	is correct for physical cl	ges?	
	(1) New substances are	e always formed in physi	changes	
	(2) No new substance	is formed		
	(3) They are always pe	ermanent		
	(4) They are always irr	reversible		
47.	Which of the following	is not a breed of sheep?		
	(1) Murrah	(2) Lohi	(3) Marwari (4)	Nali
48.	Which of the following	is used in fire extinguish	?	
	(1) Calcium carbonate		(2) Sodium carbonate	
	(3) Sodium bicarbonat	te	(4) Zinc carbonate	
49.	An example of chemica	al change is :		
	(1) Melting of ice		(2) Dropping potassium into	water
	(3) Dissolving sugar in	n water	(4) Glowing of an electric bu	lb
50.	Acids have a	taste.		
	(1) Sour	(2) Salty	(3) Bitter (4)	Sweet

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51.	The process used to remo	ove dirt and sand in sewage	treat	ment plant is :		
	(1) Chlorination	(2) Filtration	(3)	Aeration	(4)	Sedimentation
52.	Which of the following is	s not a type of silk?				
	(1) Mulberry silk	(2) Tassar silk	(3)	Mooga silk	(4)	Moth silk
53.	The common name of KO	OH is				
	(1) Caustic potash		(2)	Caustic soda		
	(3) Baking soda		(4)	Baking powder		
54.	Wool fibre cannot be obt	ained from:				
	(1) Goat	(2) Llama	(3)	Alpaca	(4)	Moth
55.	Litmus, a natural indicato	or, is extracted from:				
	(1) China rose	(2) Turmeric	(3)	Lichens	(4)	Petunia leaves
56.	Which of the following is	s a physical change?				
	(1) Boiling of water		(2)	Combustibility		
	(3) Aerial oxidation		(4)	Reaction with water		
57.	Sewage is a kind of?					
	(1) Gaseous waste		(2)	Liquid waste		
	(3) Agricultural waste		(4)	Mining waste		
58.	Which substance is used	as an antacid?				
	(1) Sodium hydroxide		(2)	Magnesium hydroxid	le	
	(3) Potassium hydroxide		(4)	Lithium hydroxide		
59.	Silk is derived from:					
	(1) Cocoon	(2) Pupa	(3)	Egg	(4)	Moth
60.	Chemical name of 'oil of	vitriol' is:				
	(1) Sulphuric acid		(2)	Sodium carbonate		
	(3) Calcium oxide		(4)	Sodium oxide		

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BIOLOGY

This section contains **20 Multiple Choice Questions**. Each question has four choices (1), (2), (3) and (4) out of which ONLY ONE is correct.

61.	In photosynthesis :					
	(1) CO_2 is produced		(2)	Glucose is produced		
	(3) O_2 is used		(4)	Nitrogen is produced		
62.	The process by which the	undigested food is remove	d fro	m the body is called -		
	(1) Egestion	(2) Ingestion	(3)	Assimilation	(4)	Absorption
63.	Skin is an accessory organ	n of respiration in :				
	(1) Humans	(2) Frog	(3)	Rabbit	(4)	Lizard
64.	Blood corpuscles involve	d in blood clotting :				
	(1) RBCs	(2) WBCs	(3)	Platelets	(4)	Plasma
65.	The animal which lives in	polar regions is :				
	(1) Kangaroo rat	(2) Frog	(3)	Polar bear	(4)	Fish
66.	Deforestation leads to dec	crease in :				
	(1) Rain fall	(2) Flood	(3)	Landslide	(4)	Desertification
67.	After fertilization the ova	ry becomes and ov	ules	become:		
	(1) Seeds and fruit		(2)	Fruit and seeds		
	(3) Embryo and seeds		(4)	Seeds and embryo		
68.	The deposits of clay, sand	l and silt particles left by ri	vers	make :		
	(1) Black soil	(2) Mountain soil	(3)	Alluvial soil	(4)	Red soil
69.		(2) Mountain soil takes place in lig		Alluvial soil	(4)	Red soil
69.			ht.	Alluvial soil Blue		Red soil Violet
69. 70.	Minimum photosynthesis (1) Green	takes place in lig	ht. (3)	Blue		
	Minimum photosynthesis (1) Green	takes place in lig (2) Red	ht. (3) od is	Blue	(4)	
	Minimum photosynthesis (1) Green The process of taking or c	takes place in lig (2) Red consuming and utilizing for (2) Transportation	ht. (3) od is	Blue called–	(4)	Violet
70.	Minimum photosynthesis (1) Green The process of taking or o (1) Nutrition	takes place in lig (2) Red consuming and utilizing for (2) Transportation	ht. (3) od is (3)	Blue called–	(4) (4)	Violet
70.	Minimum photosynthesis (1) Green The process of taking or c (1) Nutrition The respiratory organ(s) c	takes place in lig (2) Red consuming and utilizing for (2) Transportation of cockroach is/are : (2) Lungs	ht. (3) od is (3)	Blue called– Reproduction	(4) (4)	Violet Circulation
70. 71.	Minimum photosynthesis (1) Green The process of taking or c (1) Nutrition The respiratory organ(s) c (1) Gills	takes place in lig (2) Red consuming and utilizing for (2) Transportation of cockroach is/are : (2) Lungs	ht. (3) (3) (3)	Blue called– Reproduction	(4)(4)(4)	Violet Circulation
70. 71.	Minimum photosynthesis (1) Green The process of taking or c (1) Nutrition The respiratory organ(s) c (1) Gills The colour of blood is rec	 takes place in lig (2) Red consuming and utilizing for (2) Transportation of cockroach is/are : (2) Lungs due to the presence of : (2) Anthocyanin 	ht. (3) (3) (3)	Blue called– Reproduction Trachea	(4)(4)(4)	Violet Circulation Skin

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74.	The water he	olding capacity is	highest in				
	(1) Loamy	soil		(2)	Sandy soil		
	(3) Clayey	soil		(4)	Mixture of sand and l	oam	
75.	The folds pro	esents in small int	estine which increase t	he ai	rea of absorption is cal	led a	s–
	(1) Cristae	(2)	Villi	(3)	Cilia	(4)	Flagella
76.	In earthworr	n exchange of gas	es takes place through	-			
	(1) Water	(2)	Gills	(3)	Moist skin	(4)	Spiracles
77.	The process	of loss of water in	vapour form from the	ston	nata, is called -		
	(1) Transpo	ortation (2)	Transpiration	(3)	Translocation	(4)	Conduction
78.	Water availa	ble to the plant ro	ots for absorption is-				
	(1) Hygroso	copic water		(2)	Gravitational water		
	(3) Capillar	y water		(4)	Chemical bound wate	er	
79 .	Which of the	e following causes	change in weather?				
	(1) Sun	(2)	Man	(3)	Wood	(4)	Television
80.	The main ca	use of soil erosior	is:				
	(1) afforest	ation		(2)	less rain		
	(3) thinning	g of ozone layer		(4)	deforestation		

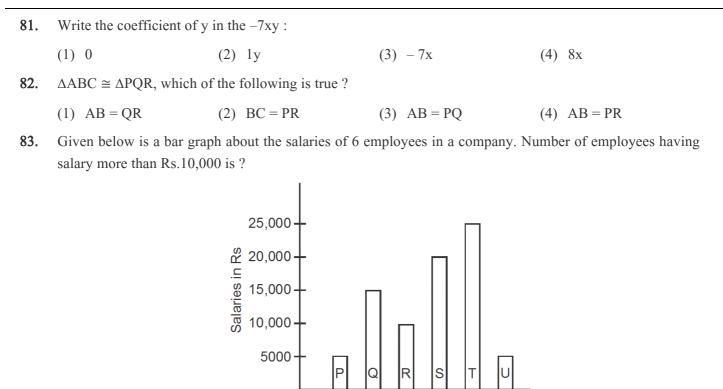
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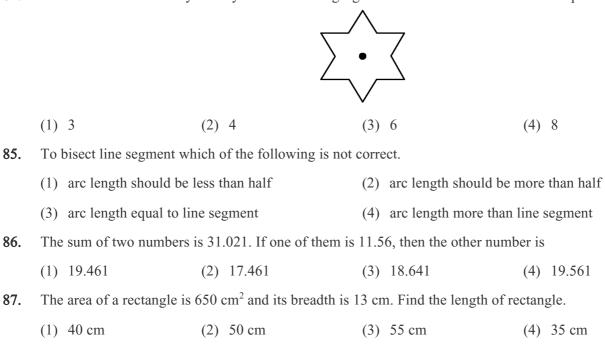
MATHEMATICS

This section contains **40 Multiple Choice Questions**. Each question has four choices (1), (2), (3) and (4) out of which ONLY ONE is correct.



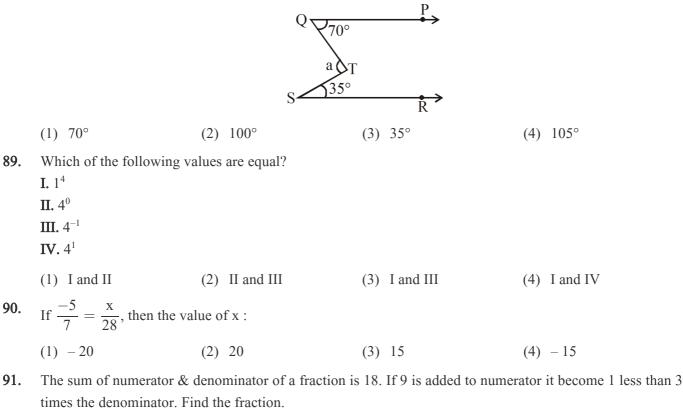
84. The order of rotational symmetry of the following figure when rotated about the marked point (•) is:

Employees \rightarrow







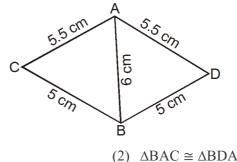


(1) $\frac{7}{11}$ (2) $\frac{11}{7}$ (3) $\frac{11}{14}$ (4) $\frac{14}{11}$

92. What should be subtracted to xy - 3yz + 4zx to get 4xy - 3zx + 4yz + 7?

(1)
$$3xy - 7yz - 7zx + 7$$
(2) $-3xy - 7yz + 7zx - 7$ (3) $3xy - 7yz - 7zx - 7$ (4) $3xy + 7yz - 7zx$

93. In the following figure, the lengths of the sides are indicated along side. By applying SSS condition, determine which are congruent.



- (1) $\triangle ABC \cong \triangle BAD$
 - $(3) \quad \Delta ABC \cong \Delta BDA \qquad \qquad (4) \quad \Delta ABC \cong \Delta ABD$

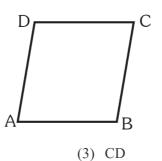
94. If the mean of five observations x, x + 2, x + 4, x + 6, x + 8 is 11. Find the mean of first three observations?

(1) 8 (2) 7 (3) 9 (4) 10



(1) BC

95. In rhombus ABCD, line of symmetry is,



(4) AC

96. If the angles of a triangle are in the ratio 2 : 3 : 5, then the triangle could be

(1) Acute (2) Obtuse (3) Right angled (4) Isosceles

97. For positive integers a, b and c, find the value of $a \times b \times c$ such that

(2) AB

		$\frac{3}{8} = \frac{1}{a + \frac{1}{b + \frac{1}{c}}}$	
(1) 3	(2) 4	(3) 6	(4) 2

98. Two adjacent sides of a parallelogram are 15 cm and 10 cm. If the distance between the longer sides is 8 cm, find the distance between the shorter sides.

(1) 6 cm (2) 15 cm (3) 10 cm (4) 12 cm

99. In the given figure, ABC is a right angle. $\angle ABD = 15^{\circ}$ and $\angle DBE = 20^{\circ}$ and $\angle FBC = 12^{\circ}$, then find ?

<i>уу</i> .	In the given figure, ADC	is a right angle. $\angle ADD =$	15 0	and $\angle DDL = 20$ and 2	_1 D	-12, t
		B		E ∕⊅ ^F →C		
	(1) 53°	(2) 43°	(3)	57°	(4)	47°
100.	0.00003×10^{6} is					
	(1) greater than 1		(2)	less than 1		
	(3) between 0 and 1		(4)	between -1 and 0		
101.	The rational number $\frac{43}{99}$	in decimal form is :				
	(1) $0.4\overline{3}$	(2) 0.43	(3)	0.43	(4)	43
102.	Solve $3(2x - 1) + 25\%$ of	$T_{\rm X} = 97$				
	(1) 15	(2) 10	(3)	12	(4)	16
103.	The length of a rectangle	is three times its width and	l its p	perimeter is 96 m. The	lengt	h is
	(1) 12 m	(2) 24 m	(3)	36 m	(4)	48 m

0.4													
.04.	If $4^x - 4^{x-1} = 48$ then x^2 is :												
	(1) 4	(2) 9	(3) 16	(4) 25									
05.	Factorize : $x^2 - 7x - 18$:											
	(1) $(x-3)(x-4)$	(2) $(x-9)(x-2)$	(3) $(x+9)(x-2)$	(4) $(x-9)(x+2)$									
06.	If $\triangle ABC \cong \triangle PQR$ and	$\angle A = 60^{\circ}, \ \angle Q = 65^{\circ}, \text{ then}$	$n \angle C =$										
	(1) 70°	(2) 65°	(3) 60°	(4) 55°									
07.	$\frac{3}{15}, \frac{13}{15}, \frac{23}{15}$ are example	ples of :											
	(1) Proper fractions		(2) Equivalent fraction	ions									
	(3) Like fractions		(4) Unlike fractions										
08.	If the length and bread	h of a rectangle are doubl	ed, then its perimeter is										
	(1) trebled	(2) doubled	(3) halved	(4) four times									
			<										
		В											
	(1) 11 cm	(2) 12 cm	(3) 15 cm	(4) 17 cm									
10.			(3) 15 cm	(4) 17 cm									
10.	If $m = (-1)^{2011}$ and $n =$ (1) -1	(2) 12 cm $(-1)^{2008}$, then m + 2n + mr (2) 2	(3) 15 cm (3) 0	(4) 17 cm(4) 1									
	If $m = (-1)^{2011}$ and $n =$ (1) -1	(2) 12 cm $(-1)^{2008}$, then m + 2n + mr	(3) 15 cm (3) 0										
	If $m = (-1)^{2011}$ and $n =$ (1) -1	(2) 12 cm $(-1)^{2008}$, then m + 2n + mr (2) 2	(3) 15 cm (3) 0										
11.	If $m = (-1)^{2011}$ and $n =$ (1) -1 What number should be	(2) 12 cm $(-1)^{2008}$, then m + 2n + mr (2) 2 e added to $-\frac{6}{5}$ so as to get (2) $\frac{5}{28}$	(3) 15 cm (3) 0 et $\frac{2}{3}$?	(4) 1									
11.	If m = $(-1)^{2011}$ and n = (1) -1 What number should be (1) $\frac{28}{15}$	(2) 12 cm $(-1)^{2008}$, then m + 2n + mr (2) 2 e added to $-\frac{6}{5}$ so as to get (2) $\frac{5}{28}$	(3) 15 cm (3) 0 et $\frac{2}{3}$?	(4) 1									
11. 12.	If m = $(-1)^{2011}$ and n = (1) -1 What number should be (1) $\frac{28}{15}$ Solve for x : 3 (x -1) = (1) -8	(2) 12 cm $(-1)^{2008}$, then m + 2n + mr (2) 2 e added to $-\frac{6}{5}$ so as to get (2) $\frac{5}{28}$ 2x - 11.	(3) 15 cm (3) 0 et $\frac{2}{3}$? (3) $\frac{15}{28}$ (3) -10	(4) 1 (4) $-\frac{28}{15}$									
11. 12.	If m = $(-1)^{2011}$ and n = (1) -1 What number should be (1) $\frac{28}{15}$ Solve for x : 3 (x -1) = (1) -8	(2) 12 cm $(-1)^{2008}$, then m + 2n + mr (2) 2 e added to $-\frac{6}{5}$ so as to get (2) $\frac{5}{28}$ 2x - 11. (2) 8 p + q greater than $3p^2 - q$	(3) 15 cm (3) 0 et $\frac{2}{3}$? (3) $\frac{15}{28}$ (3) -10	(4) 1 (4) $-\frac{28}{15}$ (4) 10									
11.12.13.	If m = $(-1)^{2011}$ and n = (1) -1 What number should be (1) $\frac{28}{15}$ Solve for x : 3 (x -1) = (1) -8 By how much is p ² + 3 (1) $2p^2 - 3p - 2q$	(2) 12 cm $(-1)^{2008}$, then m + 2n + mr (2) 2 e added to $-\frac{6}{5}$ so as to get (2) $\frac{5}{28}$ 2x - 11. (2) 8 p + q greater than $3p^2 - q$ (2) $p^2 + 3p$	(3) 15 cm (3) 0 et $\frac{2}{3}$? (3) $\frac{15}{28}$ (3) -10 ?	(4) 1 (4) $-\frac{28}{15}$ (4) 10 (4) $-2p^2 + 3p + 2q$									

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14/15



115. Pax wants to make fruit punch for a party using the recipe below.

Fruit Punch							
1.25 L orange juice 2.5 L cranberry juice 1 L ginger ale							

He will make three times the amount of fruit punch listed in the recipe. What is the total amount of fruit punch, in litres, that Pax will make?

(1) 4.53 (2) 4.75 (3) 12.90 (4) 14.25

116. The area of two circles are in the ratio 16:25. Find the ratio of their circumferences.

(1) 3:4 (2) 4:3 (3) 4:5 (4) 5:4

117. One of the angles forming a linear pair is an obtuse angle. What kind of angle is the other ?

(1) Acute angle (2) Obtuse angle (3) Right angle (4) Reflex angle

- **118.** $5^1 + 5^2 + 5^3 + 5^4$ is equal to
 - (1) 690 (2) 680 (3) 780 (4) 750

119. The sum of additive inverse of $\left(\frac{2}{3} - \frac{1}{3} + \frac{5}{6}\right)$ of 2 and product of $-12, \frac{2}{3}$ and $\frac{5}{8}$ is

(1) $-\frac{20}{3}$ (2) $-\frac{10}{3}$ (3) $\frac{10}{3}$ (4) $\frac{20}{3}$

120. If a = b + 4 what is value of 3a - 3b + 3

(1) 15 (2) 12 (3) 9 (4) 8



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ASAT CLASS-VIII

SAMPLE PAPER ANSWER KEY

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Q.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Α.	4	1	1	3	4	4	4	2	4	3	3	2	3	2	3	3	4	1	4	2
Q.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Α.	4	2	4	2	3	4	3	4	4	3	2	3	3	3	3	2	2	2	4	1
Q.	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Α.	2	3	2	2	3	2	1	3	2	1	4	4	1	4	3	1	2	2	1	1
Q.	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
Α.	2	1	2	3	3	1	2	3	1	1	3	3	1	3	2	3	2	3	1	4
Q.	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Α.	3	3	1	3	1	1	2	4	1	1	2	2	4	3	4	3	2	4	2	1
Q.	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Α.	3	4	3	2	4	4	3	2	3	3	1	1	4	3	4	3	1	3	2	1