

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

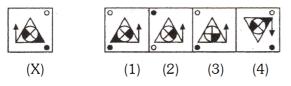
MENTAL ABILITY

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

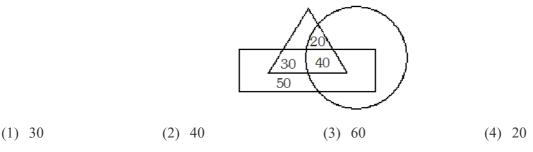
1.	Select the combination o L B T A E 1 2 3 4 5	f numbers so that the letters	s arranged accordingly will	form a meaningful word :					
	(1) 3,4,1,2,5	(2) 3,4,2,1,5	(3) 3,4,2,5,1	(4) 3,1,2,4,5					
2.	If in a certain code langu	age DRAWER is coded as	BSESFX then how PENCI	L is coded in that language?					
	(1) OFQMJD	(2) ODOMHD	(3) OEQNJD	(4) OFQMKE					
3.	Which direction will you	face if you start facing Eas	st and make $\frac{3}{8}$ of a revolution	ion clockwise.					
	(1) South-West	(2) North-West	(3) North-East	(4) South-East					
4.	Find the mirror image of	'CLASS06'							
	CLASS06 ⁽¹⁾	(2) 9055V1D	(3) CLASS60	(4) 09SSVID					
5.	Find the missing number	in the series given below :	4, 9, 19, 34, 54, ?						
	(1) 66	(2) 75	(3) 79	(4) 84					
6.	-	•	· •	but right to P. O is standing d out who is standing in the					
	(1) P	(2) Q	(3) R	(4) O					
7.	Which of the following c	liagrams indicates the best	relation between Mother, D	Octor and Widows?					
			$\overset{(3)}{\bigcirc}$	(4)					
8.	Find the water image of	'15AUGUST'.							
	ISAUGUST (1)	Г	(5) 15AUGUS	L					
	(3) 15AGUUS	Г.	(4) ISUUDAA						
9.	Which one word can't be	e made from the letters of th	ne word 'AMPHITHEATE	R'?					
	(1) METER	(2) TEETH	(3) EXTEND	(4) THEME					
10.	If $BAD = 42$ and $DIG =$	120 then HALF will be equ	al to :-						
	(1) 180	(2) 162	(3) 140	(4) 160					



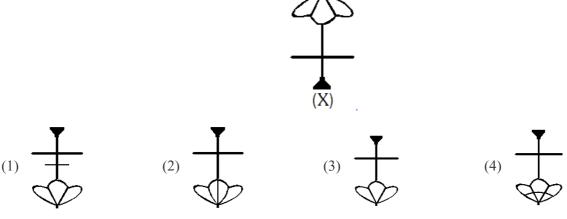
- 11. A cat runs 5 m towards East and turns to right, runs 10 m and turns to right run 8 m and again turns to left, runs 5 m and then turns to left, runs 11 m and finally turns to left and runs 6 m. Now, which direction is the cat facing ?
 - (1) East (2) North (3) West (4) South
- **12.** Choose the correct mirror image from alternatives (1), (2), (3) and (4) of the figure (X).



- **13.** Find the next term in the series. 3, 7, 13, 27, 53,
 - (1) 100 (2) 105 (3) 126 (4) 107
- **14.** Five persons A, B, C, D and E are sitting facing south. B is sitting in middle, C and E are adjacent to B and A is on the extreme right of B. Then, who is sitting on extreme left of B ?
 - (1) C (2) D (3) E (4) A
- **15.** In the given figure if Triangle represents healthy people, Rectangle represents old persons and Circle represents men then What is the number of those men who are healthy but not old ?



16. Choose the correct water image of fig. (X) from the given alternatives.



- 17. X is to the South-West of Y, L is to the east of X. In which direction of Y is L?
 - (1) South-East

- (2) South-West
- (3) North-East (4) Can't be determined





20.

(1)

- 18. Find the mirror image of 'QWERTY'.
 - QWERTY⁽¹⁾
 - ⁽³⁾ YTREWO

19. Find the missing term in the following series. ALPHABET, ALPHABE, LPHABE, LPHAB, ?

(1) PHAB (2) LPHA

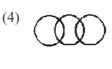
(4) YTERWO

(3) PHAL

(3)

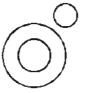
Which of the following diagrams indicates the best relation between Animals, Mammals and Frog ?

⁽²⁾ YTЯWEQ



(4) LPAB

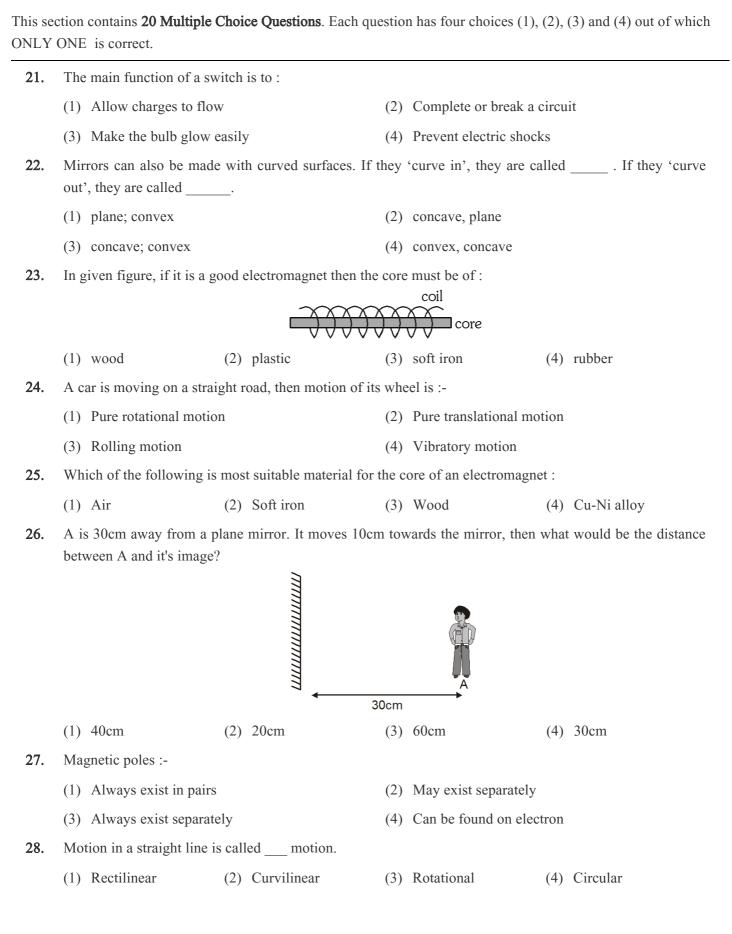








PHYSICS



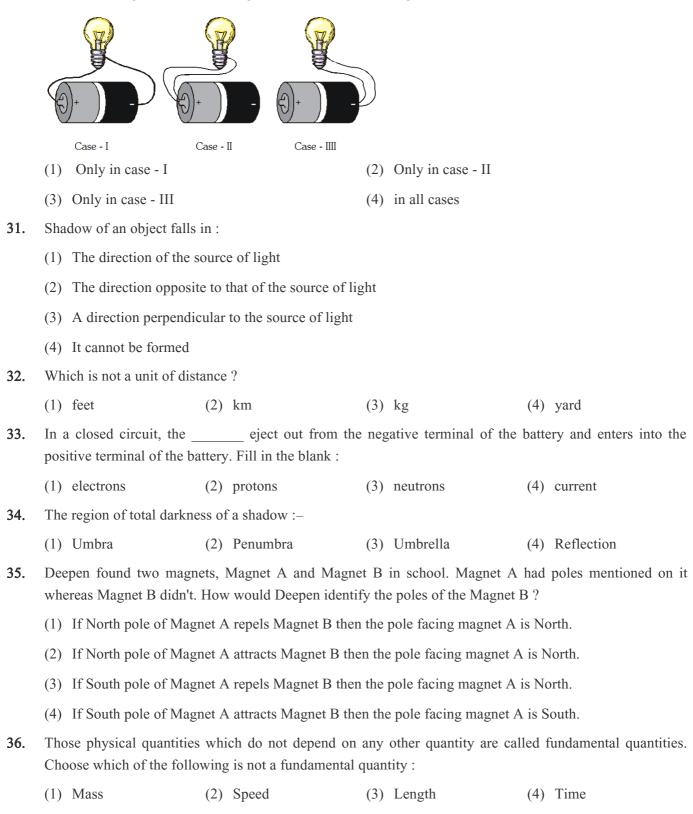


29. Which of the following is correct ?

- (1) 100 mm = 1 cm
- (3) 100 cm = 1 km (4) 1000 cm = 10 km

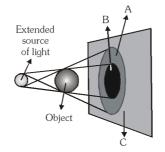
(2) 10 mm = 1 cm

30. For each arrangement shown in figure, in which case/s bulb glows :



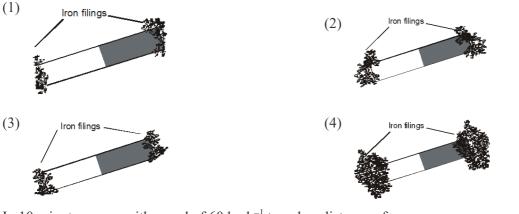


- **37.** Electric wires are covered with plastic or bakelite because :
 - (1) Plastic / bakelite is a good conductor of electricity
 - (2) Plastic / bakelite is a bad conductor of electricity
 - (3) Just for decoration
 - (4) To make it expensive
- **38.** Figure given below shows the formation of shadow by an extended source of light.



The portion B represents :

- (1) Image (2) Penumbra (3) Umbra (4) Reflection
- **39.** Which of the following figure shows the strongest magnet ?



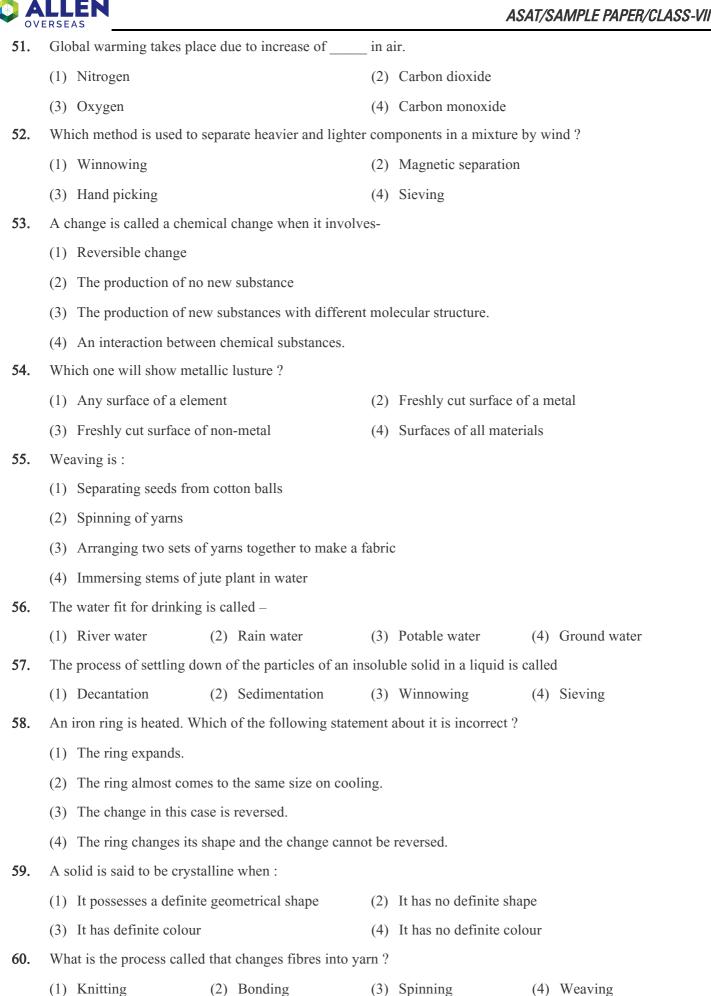
- **40.** In 10 minutes, a car with speed of 60 kmh⁻¹ travels a distance of :
 - (1) 6 km (2) 600 km (3) 10 km (4) 7 km



CHEMISTRY

	ection contains 20 Multiple Choice Questions . Each ONE is correct.	h question has four choices (1) , (2) , (3) and (4) out of	which							
41.	Identify the gas which is odourless, colourless, h	eavier than air and supports combustion.								
	(1) Nitrogen (2) Oxygen	(3) Carbon dioxide (4) Water vapours								
42.	Which of the statement is true :									
	(1) Aerated drink, e.g. coca cola is a mixture	(2) Brass is an element								
	(3) Air is a heterogeneous mixture	(4) Mist is a homogenous mixture								
43.	Which of the following is a reversible change?									
	(1) Curdling of milk	(2) Ripening of fruits								
	(3) Melting of ice	(4) Burning of wood								
44.	Which of the following type of bodies form shar	p shadow when placed in the path of light?								
	(1) Transparent	(2) Translucent								
	(3) Transparent and Translucent	(4) Opaque								
45.	Separation of seeds from cotton balls is called :									
	(1) Winnowing (2) Weaving	(3) Ginning (4) Spinning								
46.	Water is called as the Universal solvent because	:-								
	(1) It dissolves in most of the liquids	(2) It can dissolves most of the substances								
	(3) It contains many salts and minerals	(4) It can exist in three states								
47.	Which of the following method used to separate	two immiscible liquids ?								
	(1) Separating funnel	(2) Sieving								
	(3) Winnowing	(4) Sublimation								
48.	When ammonium chloride is heated, it turns dire	ectly into the vapour state, that process is called :								
	(1) Sublimation (2) Condensation	(3) Melting (4) Freezing								
49.	Materials having lustre are :									
	(1) Gold, silver, copper, iron	(2) Wood, cardboard, chalk, Iron								
	(3) Paper, gold, plastic, rubber	(4) Iron, aluminium, chalk, wood								
50.	 Which of the following statements are true or false. (i) Fibre is the basic unit of all fabrics. (ii) Filament are short fibres. (iii) Jute is the outer covering of coconut. 									
	(1) TFF (2) TFT	(3) FFT (4) TTF								

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8/15



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.	Banana has which type o	f roots ?							
	(1) Tap roots	(2) Fibrous roots	(3) Lateral roots	(4) None					
62.	Aquatic animal, whose sl	keleton is made up of entire	ely cartilage ?						
	(1) Whale	(2) Shark	(3) Dolphin	(4) Sea horse					
63.	Which adaptation helps t	he cactus plant to minimize	e loss of water :-						
	(1) Needle like leaves		(2) Broad leaves						
	(3) Branched stem		(4) Fibrous roots						
64.	Which of the following s	tructure helps the redworm	ns to grind their food ?						
	(1) Mouth	(2) Tongue	(3) Teeth	(4) Gizzard					
65.	Excessive body weight d	ue to over nutrition leads to	0 :-						
	(1) Rickets	(2) Anaemia	(3) Marasmus	(4) Obesity					
66.	Which of the plants have	Tap root system ?							
	(1) Marigold, Tulsi, Gra	um, Carrot	(2) Raddish, Turnip, R	ice, Corn					
	(3) Raddish, Wheat, Ric	ce, Corn	(4) Turnip, Wheat, Tulsi, Corn						
67.	How many vertebrae are	there in our backbone?							
	(1) 50	(2) 20	(3) 25	(4) 33					
68.	Organisms which can not	t prepare their own food are	e :-						
	(1) Phototrophs	(2) Heterotrophs	(3) Autotrophs	(4) None of these					
69.	Which kind of material a	re to be collected in green o	coloured bins ?						
	(1) only plastics	(2) only metals	(3) only glass	(4) banana peel					
70.	Stream lined body is four	nd in a :							
	(1) Snail	(2) Jelly fish	(3) Earthworm	(4) Fish					
71.	An organism X has hair organism is X ?	on its body. It gives birth	to young one that feed of	n their mother's milk. Which					
	(1) Rabbit	(2) Tortoise	(3) Lizard	(4) Crocodile					
72.	How many of the following	ings help in recycling of mi	inerals in nature Bacteria,	Earthworms, Fungi, Lion					
	(1) 3	(2) 2	(3) 4	(4) 1					
73.	What structure found on	plants increases the surface	e area of the root ?						
	(1) Stomata	(2) Root hairs	(3) Guard cells	(4) Root cap					

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- 74. Which of the following animal moves with the help of muscular foot ?
 - (1)



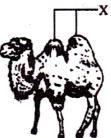






75. What is the function of the part labelled as 'X' in the given figure ?

(2)



(3)

- (1) To protect the camel from its enemy
- (2) To store fat to be used when food becomes scarce in the desert
- (3) To provide a place to put the saddle on
- (4) To allow the sand to slide off the body of the camel
- 76. When some things in garbage rots completely and did not smell, it
 - (1) becomes manure
 - (2) can be mixed with soil to provide nutrients to plants
 - (3) both the above are correct
 - (4) none of the above are correct
- 77. A person with bleeding gums should daily take :-
 - (1) milk (2) lemons

(3) carrots

- (4) butter
- 78. The given figure shows a particular joint. Identify the organ in which it is present.

	(1) Shoulder	(2) Elbow	(3) Ankle	(4) Knees
•	Grassland is the example	of which habitat :-		
	(1) Terrestrial	(2) Aquatic	(3) Arborial	(4) Marine
•	Which one of the following	ng is a good source for mak	ting compost ?	
	(1) aluminium foil	(2) vegetable peels	(3) polythene	(4) plastic toy

79.

80.



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.

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81. Find the value of the expression Z + 37 when Z = 29
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(1) 122 (2) 65 (3) 79 (4) 66

82. The incomplete pictograph shows the number of points obtained by four teams.

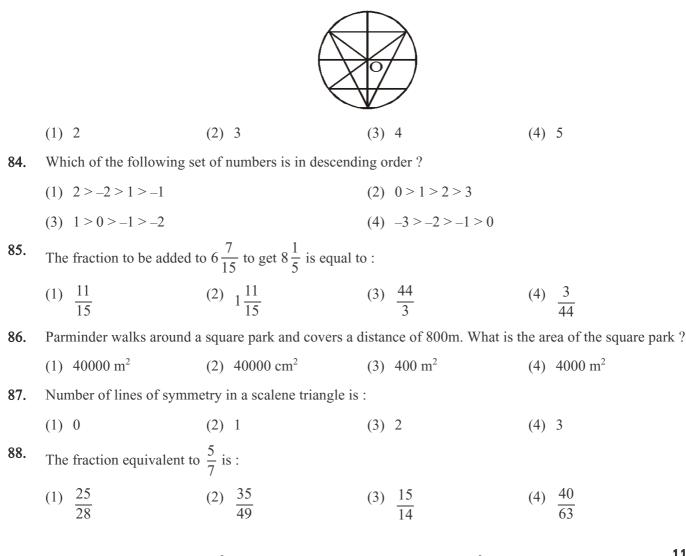
Team W	
Team X	$\bigcirc \bigcirc $
Team Y	$\bigcirc \bigcirc \bigcirc$
Team Z	$\bigcirc \bigcirc $

represent 2 points

Team W has the highest score with 8 points more than the team with the second highest score. How many points does team W score ?

(1) 4 (2) 12 (3) 16 (4) 18

83. In the figure shown below, how many line segments represent the diameters of the circle with centre O?





89.	The number of members in 20 families in a village is given as 6, 8, 6, 3, 2, 5, 7, 8, 6, 5, 5, 7, 7, 8, 6, 6, 7, 7, 6 How many families are of the largest size ? (1) 4 (2) 3 (3) 5 (4) 6									
	(1) 4	(2) 3	(3) 5	(4) 6						
90.	Asha bought vegetables.	5 kg 350 g potatoes, 3 kg 725 g	tomatoes and 2 kg 475	g onions. Find the total weight of						
	(1) 10.550 k	g (2) 11.550 kg	(3) 9 kg	(4) 9.55 kg						
91.	Which type o	f angle has a measure that is smalle	er than a right angle?							
	(1) Acute	(2) Obtuse	(3) Straight	(4) Reflex						
92.	The length &	breadth of a rectangular field are 2	25 m & 10 m respectively	. What is its perimeter ?						
	(1) 250 m	(2) 35 m	(3) 70 m	(4) 5 m						
93.	The least nun	ber which when decreased by 9 is	exactly divisible by 12,	16, 24, and 48 is						
	(1) 16	(2) 48	(3) 57	(4) 39						
94.	In the given f	igure (not drawn to scale), ABC is	a right angle. Find ∠DB	E.						
		12°/ 2? B	27° C							
	(1) 51°	(2) 52°	(3) 54°	(4) 55°						
95.	The expression	on $3xy - y^2 + 3y^2z + 79z$ is a :								
	(1) Monomi	al (2) Binomial	(3) Trinomial	(4) Polynomial						
96.	The pictograp those are show		sportation and number o	f students of a school travelling by						
	Bus	****								
	Car	条条 条条								
	Cycle	杀杀杀杀杀杀								
	On foot	杀杀杀								
	"One shape o	f a student represent 10 student".								
	How many st	udents are there in the school in all	?							
	(1) 150	(2) 120	(3) 200	(4) 140						
97.	Which of the	following is a line segment ?								

(1) Road

ALLEN OVERSEAS

(3) Beam of light

(2) Edge of carromboard(4) Height of water in an ocean



28

98.	How many integers are there between -6 and 6?										
	(1) 11	(2) 10	(3)	13	(4)	8					
99.	What is the value of $\frac{1}{2}$ +	$-\frac{3}{2}+\frac{4}{5}+1$									
	(1) $\frac{18}{5}$	(2) $\frac{19}{5}$	(3)	$\frac{20}{5}$	(4)	$\frac{21}{5}$					
100.	How many square slabs of	of side 90 cm are required to	o cov	er a floor of area 81 m	1^2 ?						
	(1) 100	(2) 1000	(3)	10	(4)	80					
101.	Which figure has more th	an 4 lines of symmetry									
	(1) Rectangle		(2)	Equilateral triangle							
	(3) Trapezium		(4)	Circle							

102. A box has 25 balls of which 9 are red and rest yellow. Aniket picks one third of the red balls and half of the yellow balls. What fraction of the balls is left in the box ?

- (1) $\frac{11}{16}$ (2) $\frac{11}{25}$ (3) $\frac{14}{25}$ (4) $\frac{16}{25}$
- 103. Study the following table which shows the production of three different types of cars over the years.

Years	Production of Car P	Production of Car Q	Production of Car R
2001	76	59	28
2002	82	62	36
2003	65	47	42
2004	70	54	31
2005	85	57	49
2006	80	68	38

The difference between the total production of three cars in the year 2004 and 2006 is _____.

104. Chinki can cycle from point A to point B and return to point A in 10 minutes. She can cycle there and walk back in 20 minutes. It will take _____ mins for her to walk there and walk back.

105. This angle cannot be constructed using ruler and compass only :

(1)
$$120^{\circ}$$
 (2) $22\frac{1}{2}^{\circ}$ (3) 135° (4) 50°

106. Area of a square is :-

(1)
$$\frac{1}{4}$$
 (Diagonal)² (2) $\frac{1}{2}$ (Diagonal)² (3) (Diagonal) ^{$\frac{1}{2}$} (4) $\frac{1}{3}$ (Diagonal)²



* OVI	ERSEAS					
107.	Divide the 15th mu	altiple of 6 by the 3	rd multiple of	3. The answer	· is	
	(1) 10	(2) 25		(3) 12	(4)	15
108.	How many corners	does a sphere have	e ?			
	(1) 2	(2) 1		(3) 0	(4)	3
109.	Simplify : $(x^2 - y^2)$	$(x^{2} + 2xy + 1) - (x^{2} + y)$	$x^2 + 4xy - 5$) =	-		
	(1) $-2y^2 - 2xy + 6$	(2) $2y^2 + 2$	2xy + 6	(3) $2xy^2 - 2$	2xy + 6 (4)	$-2y^2-2xy-6$
110.	Which of the follow	wing will give answ	ver with a neg	ative sign?		
	(1) -48 + 79	(2) $-40 + 40$	40	(3) -48 + 3	0 (4)	48 + (-39)
111.	A juice shop owne	r buys $42\frac{1}{2}$ kg of o	ranges. Out o	f these $20\frac{1}{4}$ kg	of oranges are co	onsumed in the morning
	1					-
	0					10
	(1) $12\frac{2}{11}$ kg	$\binom{2}{3} \frac{11}{12} k_s$	5	$(3) 2\frac{11}{12}$ kg	(4)	$2\frac{12}{13}$ kg
112.	The height of a tria	ingle whose base is	13 cm and an	rea is 65 cm^2 is	:	
	(1) 12 cm	(2) 15 cm		(3) 10 cm	(4)	20 cm
113.	What fraction of th	e numbers from 2 t	o 12 are prim	e numbers ?		
	(1) $\frac{1}{11}$	(2) $\frac{10}{11}$		(3) $\frac{5}{11}$	(4)	$\frac{6}{11}$
114.		11	of students i	n some classes.		11
	Class N	lo. of students	Class	No. of stud	ents	
	VI		VI		• •	
	VII	3600	VIII			
	VIII	3000	bes a sphere have ? (2) 1 (3) 0 (4) 3 $2xy + 1) - (x^2 + y^2 + 4xy - 5) :-$ (2) $2y^2 + 2xy + 6$ (3) $2xy^2 - 2xy + 6$ (4) $-2y^2 - 2xy - 6$ ing will give answer with a negative sign ? (2) $-40 + 40$ (3) $-48 + 30$ (4) $48 + (-39)$ buys $42\frac{1}{2}$ kg of oranges. Out of these $20\frac{1}{4}$ kg of oranges are consumed in the morning ening. Find the quantity of oranges left at the end of the day. (2) $3\frac{11}{12}$ kg (3) $2\frac{11}{12}$ kg (4) $2\frac{12}{13}$ kg ele whose base is 13 cm and area is 65 cm ² is : (2) 15 cm (3) 10 cm (4) 20 cm numbers from 2 to 12 are prime numbers ? (2) $\frac{10}{11}$ (3) $\frac{5}{11}$ (4) $\frac{6}{11}$ show the number of students in some classes. $\frac{of students}{4200}$ $\frac{V1}{11}$ 40 40 40 $\frac{1}{10}$ $\frac{1}{$			
	Table Which of the follow				of students in cla	uss VII ?
			_	(2)		
	(3)					
115.	Solve :					
	3ℓ 304 ml					
	+ 5 ℓ 629 ml					
	(1) 8ℓ 933 mℓ	(2) 8ℓ		(3) 8ℓ 833	3 ml (4)	8ℓ 940 ml
116.	Area of each squar	e of a chess board i	s 4 cm ² . Find	the area of che	ess-board	
	(1) 64 cm^2	(2) 256 cm	n^2	(3) 216 cm ²	² (4)	200 cm ²

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117.	Which type of number is	"zero".		
	I. Natural II. Whole II	I. Integer		
	(1) II	(2) I and II	(3) II and III	(4) I, II and III
118.	If a, b, c are integers and	$a > b$ then $a \div c \dots b \div c$,	if c is negative :-	
	(1) <	(2) >	(3) =	(4) ≥
119.	Length and breadth of a reader	ectangle are 15 cm and 8 ci	m respectively. Find its are	a :
	(1) 46 cm^2	(2) 60 cm^2	(3) 90 cm ²	(4) 120 cm^2
120.	The difference in the place	e values of two 3s in numb	er 437.13 is :	
	(1) 30.03	(2) 30.97	(3) 20.97	(4) 29.97

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ASAT CLASS-VII

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

SAMPLE PAPER ANSWER KEY