	Contraction of the second			
The state of the	CLASS-	VII		
1. A regular Prism, whose the second	faces, edges and ver m 2) S 4) None	tices are 5, 9 and 6 quare Prism	6 respectively is	
2. In a right angled isoscale	es triangle, the lengt	h of the hypotenu	se is $4\sqrt{2}$ cms then	
the length of its side is 1) 4cm	2) 5cm	3) 2cm	4) 8cm	
3. Sum of all the factors of 1) n	a perfect number, '1 2) 2n	n' is 3) n-1	4) n-2	
4. The value of (a+z)+(b+y 1) 260	v)+(c+x)++(m+n 2) 135) if a=1, b = 2, c = 3) 351	3 4) 130	
 5. Which of the following is not an axim related to congruency of triangle 1) Angle - Angle - Angle 2) Side - Angle - Side 3) Side - Side - Side 4) Angle - Side - Angle 				
6. The ratio of length and b	readth of a rectangle	e, if their length ar	nd breadth are	
1) 120 : 1	2) 360 : 2	3) 6 : 5	4) 5 : 6	
 7. If a line intersects two or more lines at different points then it is called 1) Bisector 2) Transversal 3) Perpendicular 4) Trisector 				
8. Split 18 into sum of 4 one digit numbers such that if we place them side by side,				
you will get a famous con 1) 9351	2) 6174	3) 8253	4) 1629	
9. If the sub-triplicate ratio	of a given ratio is 8	: 27 then the give	n ratio is	
1) 2 : 3	2) 8 ³ :27 ³	3) 8 ² :27 ²	4) 3 : 2	
10. If the difference between the exterior angle of a triangle and its adjecent angle is equal to 120° then the adjecent angle is equal to				
1)60°	2) 30 [°]	3) 45°	4) 80°	

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11. P.C.Mahalanobis and C.R.Rao are the Indian Mathematicians worked in which				
branch of mathematics		D) Charlinting		
3) Trigonometry		 A) Plane geo 	metry	
e) mgenemery		+) I lane geo	and march of more	
12. $\sqrt[3]{5}$ in which 3 and 5 a	re calle	das		
1) Index and Radical 2) Radicand and Radical				
3) Index and Radicar	nd	4) Radical sig	gn and Indiax	
13 Digits when raised to a	av now	er occurs the s	ame digit in units pla	co of the
resultant. Such digits an	re	occurs mes	ame digit in units pla	ce of the
1) 1, 4, 6	2) 1, 6	i, 8	3) 1, 5, 6	4) 1, 5, 9
14 Thomas and task 1 100	001231	ome pens for		14. Two persons
a purse. The total value	is Rs.89	950 Then how	x many Rs 100 and R	es altogether in
there in the purse?	ubo unu	adol (E	indig its.ioo und it	s.so notes are
1) 79, 21	2) 69,	31	3) 89, 11	4) 63, 37
15 A right angled triangle	loes not	t belong to wh	hich of the following a	A DALE OF THE ALL SEL
1) Isoscles triangle	1003 1101	2) Scalene tr	iangle	ategory
3)Equilateral triangl	le	4) 1 and 2	U U	
16 In the letters A IMEd	the		n orth or and allond ow	26. The cost of t
it is equal to 220° then	the ang	le at the verte	or angles in the letter	A' as appears in
1) 110°	2) 70°		3) 40°	4) 600
7110	-/ /0		5) 40	00 (*
17. A square card board sheet of 14cm side is made into a largest circle by removing				
the additional part. The	area of	the removed p	part is	0.40
1) 134 sq.cm	2) 190	o sq.cm.	3) 56 sq.cm	4) 42 sq.cm
18. From a 9'6" length of a stick, 2'8" length of stick was removed. Then the length				
of the remaining stick	is ⁰⁰	(E		11.30
1) 6'8''	2) 7'2	". lio) odt vann	3) 6'10''	4) 7'8''
19. The point 'C' divides th	e line se	egment AB of	length 24cms such th	at the length
of $CB = 15$ cms. Then t	he ratio	of the length	of line segments AB :	AC is
1) 3 : 5	2) 3 :	8	3) 8 : 3	4) 5 : 3
20 The mean of the middl	e 3 scor	es of 5 differ	ent scores is 16 Maar	of the extreme
two scores is 18.5. Then the mean of the 5 different scores is				
1) 17.25	2) 17		3) 42.5	4) 18

3

21. Which of the following 1) 1347312	g number is div 2) 2531124	visible by 2, 3, 4, 6, 8, and 3) 3014604	d 9 4) 1137096	
22. No. of lines that can be	drawn through	h 'n' non - collinear poin	ts is	
1) $\frac{n(n+1)}{2}$	2) $\frac{n(n-1)}{2}$	3) $\frac{(n+1)}{2}$	4) $\frac{(n-1)}{2}$	
23. A cylinder shaped tin of height 10 cms and perimeter of the base 88 cms is wrapped with a white paper. Then the area of the white paper is				
1) 440 sq.cm	2) 110 sq.cm	1 <i>5)</i> 880 <i>Sq.</i> 011	.) 220 sq.cm	
24. Two persons "A" and "B" bought some pens for Rs.200/- and Rs.500/- respectively and sold them for Rs.240/- and Rs.575/- respectively. Who gained more				
1) B	2)A	3) Both gain equally	4) Can't decide	
25. If $a > b$ and x is a negative number then which of the following relation holds good				
1) ax > bx	2) ax $<$ bx	3) ax = bx	4) None	
26. The cost of two books are in the ratio 3 : 5. If the cost of each of them increases by Rs.20/-,the ratio is altered to 13 : 21. What is the initial cost of each of them? 1) Rs.240, Rs.4001) Rs.240, Rs.4002) Rs.240, Rs.440 3) Rs.360, Rs.5403) Rs.360, Rs.5404) Rs.300, Rs.500				
27. Absolute prime among the following				
1) 19	2) 23	3) 29	4) 31	
28. Divide 40 by $\frac{1}{2}$ and add ten. What is the answer				
1) 30	2) 50	3) 90	4) 20	
29. Dividend property of proportion among the follwoing if a : b :: c : d then 1) b : a :: d : c 2) a : c :: b : d 3) (a + b) : b :: (c + d) : d 4) (a - b) : b : : (c - d) : d				
 30. Sum of any two primes 1) Always true 3) always true except 	s is even. This : 2) Alv pt for the prime	statement is vays false e 2 4) Can't decide		

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31. The interior angles of a triangle are 70° and 35°, then an exterior angle is				
	1) 110°	2) 145°	3) 110° or 145°	4) None
32.	The mathematician wh	o introduced the syste	em of decimal fractio	ns
	1) Newton	2) Napier	3) Gauss	4) Ramanujan
33.'	The missing letter in th	e series Y, W, T, P,	, E	
	1) G	2) H	3) K	4) Q
34.	If $x : y = 3 : 2$ then (2x	(+3y): (3x+2y)=		
	1) 12 : 19	2) 12 : 20	3) 3 : 4	4) 12 : 13
35.	We can get Ramanujan	number from		
	1) 7 x 11 x 17	2) 7 x 13 x 19	3) 7 x 23 x 9	4) 7 x 19 x 3
36.	A number is as much gr	ater than 36, as is less	than 86. The number	is
	1) 51	2) 61	3) 71	4) 25
27				
37.	ln a zoo the ratio of the legs =	pigeons and rabbits i	is 2 : 3. Total heads ar	e 200 then total
	1) 560	2) 580	3) 680	4) 640
38.	12 men working 8hrs a same work in 8 days, w	day can complete a v orking 15 hrs a day th	work in 10days. To co	mplete the
	1) 4	2) 5	3) 6	4) 8
39	If $4800 - 2^{x} \times 3^{y} \times 5^{z}$ the	$x_{1} = x_{2}$		
	1) $2r = 3$	$(2) = y^{-1}$	3) 2 5	4) 1 and 2
	-) 22-5	2) x+3	3) 3x - 5	4) I and 2
40.	The numbers x - 4, x -	2, $x + 2$, and $x + 10$ as	re in proportion. Then	1 x =
	1) 8	2) 10	3) 6	4) 12
41.	The mode of the data :	21, 12, 24, 16, 12, 13	8, 24, 16, 18, 21 is	
	1) 12	2) 18.5	3) 16	4) No mode
42.	4km + 4m + 4cm =	km		
	1) 4.004004	2) 4.0404	3) 4.00404	4) 4.04004

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43. In a code language SHI 1) USPV	P → HSRK; BANK - 2) UROV	→ YZMP then FILE 3) VROU	\rightarrow 4) VSPU	
44. In the figure $DE \parallel BC$	$ \underline{B}=30^{\circ}, \underline{A}=40^{\circ}$	E. 4	32. The mathem	
then $x+y+z=$	STATE AND	AT I	A MARKED AND A	
1) 230°	2) 240°	140° 2	<u>kék</u>	
3) 250°	4) 260°	A	B	
45. The unit digit in the sur	m of $2^{2015} + 5^{2016} + 6^{2016}$	$1^7 + 9^{2018}$ is	and all set	
1) 0	2) 2	3) 4	4) 9	
46. At 15 minutes past 2, th	e hour hand and minu	te hand of a clock for	m an angle of	
	SALL BAR	$3) 7\frac{1}{2}^{0}$	4) $22\frac{1}{2}$	
1) 30°	2) 5°	$3) / \frac{1}{2}$	2	
	the second and the second second	and same fame		
47. The value of z in the s	eries 11, 10, 101, 100	3) 100001	4) 10000	
1) 1001	2) 10001	5) 100001		
48 In an entrance examina	ation 60% marks are	equired to get a seat	. Gopi got 232	
marks and lost his seat	by 8 marks. Maximu	m marks of the test	4) 300	
1) 500	2) 600	3) 400	4) 500	
E I I SPa	5000 in a bank After	5 years he paid an am	ount Rs. 1,00,100	
49. Ravi took a loan of RS.0	simple interest is cal	culated, the rate of i	nterest =	
and cleared the roan. If	2) 11%	3) 12%	4) 6%	
 50. The distance from Vijayawada to Hyderabad is 282kms. Raghu is an old man. For 50. The distance from Vijayawada to Hyderabad is 282kms. Raghu is an old man. For 6. Started at 8 AM from Vijayawada 6. Started at 8 AM from Vijayawada 				
1) 2 pm	2) 4 pm	3) 3 pm	4) 5 pm	
$51 \ 10 - [10 - \{10 - (10 - \overline{10 - 1})\}] =$				
A) 1 B) 9 1) only A	Truth Sta 2) Only B	(tement is 3) A or B 4)	Neither A nor B	
52 The statitician who worked on 'Cramer - Rao Inequality' and 'Fisher - Rao Theorem'				
is. 1) R.S.Rao	2)A.N.Rao	3) C.R.Rao	4) P.V.Rao	
			and the second second	

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59. What comes next in the serie1) 3872) 32	es 1, 3, 10, 21, 64, 129 26	4) 259
60. If the symbols $+$, -, x and $+$	respectively represent Su	ubtraction, Multiplication,
Division and Addition then -	$18 \times (6-3)$	
1) 9 2) 1	4+2 3) 8	4) 3
1) 5 2) 1		
· · · · · · · · · · · · · · · · · · ·		
and the second short of		
100% to 12 M M M M M M M M		
thous -		54. Which company cane
a de shawn belog		
		an berghan with the
	S. asing the	and set of the the
Carrier (/ para)		
and the second second second		
Starting of the		

- 40 Julia

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