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IN CLA	MATHEMATICS TA SS : IV	LENT SEARCH OLYMPIAD(STAGE - 1	MTSO) 2016 TIME Max. Marks	- 2017 : 60 n : 50	nin.
Instr 5 5 5 5 5	ructions: Fill the OMR sheet completely Each question carries one mark The question paper contains 50	and carefully. k and has only one correct answer. I questions to be answered in 60 mi	No negative ma nutes.	urks.	
1.	How many hundreds are there in 1) 7 2) 74	7435 3) 743	4) 70	[]
2.	The smallest 5 digit number is 1) 1111 2) 00000	3) 10000	4) 12345	[]
3.	The successor of 1119 is 1) 1118 2) 1110	3) 1120	4) 1199	[]
4.	Number of even numbers formed 1) 1 2) 4	by using the digits 1, 2, 3, 5 3) 3	4) 6	[]
5.	The place value of 6 in 5769 is 1) 6 2) 60	3) 600	4) 6000	[]
6.	The difference between the great the digits 0, 9, 9, 8 is 1) 1781 2) 1981	est and the smallest 4 digit number 3) 1881	es that can be for 4) 1971	ormed u [using]
7.	Ramu bought a television set for all	₹4832 and a steel cupboard for ₹279	6. How much d	lid he p [ay in]
8.	1) ₹7628 2) ₹6628 A shop keeper earned ₹5078 an s	appent ₹3794 in a month. How much	4) ₹7682 money was lef	t with l	him.
	1) ₹1248 2) ₹1284	3) ₹1384	4) ₹ 1348	[]
9.	By how much is ₹3749 greater th 1) ₹895 2) ₹695	an ₹2954 3) ₹859	4) ₹795	[]
10.	Gopal had to travel 3850km. if he the distance travelled by Gopal b 1) 2140 km 2) 2104 k	e travelled 460km by bus, 1286km b y car is xm 3) 1204km	y train and rest 4) 1402 km	by car, [then]
11.	The sum of two numbers is 484 t 1) 10 2) 11	heir H.C.F is 11. The number of su 3) 12	ch possible pai 4) 9	rs is[]
12.	The last two digits of 3 ²⁰¹² when 1 1) 81 2) 01	represented in decimal notation wil 3) 41	l be 4) 21	[]
13.	Among the following, the prime 1) 73 2) 116	number is 3) 192	4) 183	[]
14.	Number of prime numbers are the 1) 12 2) 15	ere in between 1 and 50 3) 17	4) 18	[]

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15.	Among the follwing is prime truplet 1) (3, 5, 7) 2) (5, 7, 11)	3) (7, 11, 13)	4) (11, 13, 1	[7)]
16.	Number of prime factors of 72 is 1) 2 2) 3	3) 4	4) 5	[]
17.	The number of factors of 360 is1) 202) 18	3) 22	4) 24	[]
18.	The least composite number is 1) 2 2) 3	3) 4	4) 5	[]
19.	The H.C.F of 15 and 25 is 1) 15 2) 25	3) 10	4) 5	[]
20.	The greatest number which exactly d 1) 18 2) 42	ivides 90 and 126 is 3) 30	4) 6	[]
21.	The L.C.M of the numbers 16, 20, 30 1) 60 2) 80) is 3) 120	4) 240	[]
22.	The least number which when divide 1) 58 2) 36	d by 8, 12, 16 leaves no remainde 3) 48	er 4) 63	[]
23.	If four bells ring at intervals of 3, 6, 1 then what time they ring together aga 1) 11am 2) 11.24am	12 and 14 minutes respectively, th ain 3) 11.14am	ey ring togethe 4) 12.30pm	er at 1([Dam,]
24.	The product of H.C.F and L.C.m of other number is 1) 11 2) 14	two numbers is 192. If one of the 3) 12	4) 18	6, ther [n the]
25.	A number is said to be a perfect number A mong the following, a perfect number $1) 6$ (2) 8	ber if sum of the factors is equal to ber is 3) 12	to twice that of	a nun [nber.]
26.	The H.C.F of two prime numbers is a 1) 1 2) 2	always equal to 3) 10	4) 3	[]
27.	If H.C.F of a and b is '1', then the L.C 1) $a + b$ 2) $a - b$	C.m of a and b is 3) ab	4) a ² b	[]
28.	Among the following, is an even print 1) 4 2) 2	me number 3) 0	4) 8	[]
29.	Among the following is divisible by 1) 222222 2) 2222	13 is 3) 22222	4) 222	[]
30.	If a number is said to be divisible by 1) 2, 5 2) 2, 4	6 then it is exactly divisible by 3) 2, 3	4) 5, 6	[]
31.	The difference of sum of odd place di the number is always is divisible by 1) 11 2) 13	gits and sum of even place digits 3) 12	of a number is 4) 10	zero,	then]
32.	The Hindu Arabic numeral value of C 1) 958 2) 948	CMXLVIII is 3) 968	4) 848	[]
33.	the roman numeral value of 1998 is1) MCMXIIXb) CMMXVI	II 3) MCMXCVIII	4) MMCCCX	[KCIII]
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34.	A number is called a palindrome. If it reads the same forward or backward for example 12 a palindrome. the difference between the biggest 10 digit palindrome and the smallest palindrome is [31 is digit]		
	1) 976666666	2) 9888888888	3) 98999999998	4) 977777777	7			
35.	A number divisible by 1) 3	25, then it is also divisi2) 2	ible by 3) 10	4) 5	[]		
36.	If 742x6 is divisible by 1) 6	y 3, then the value of x i 2) 3	s 3) 4	4) 5	[]		
37.	If 83x68 is divisible by 1) 3	y 9, then the value of x i 2) 4	s 3) 5	4) 2	[]		
38.	If (2222) ⁵⁵⁵⁵ is divided 1) 2	with 7m, then the remained 2) 3	inder is 3) 5	4) 4	[]		
39.	Th sum of the factors 1) 49	of 49 is 2) 57	3) 56	4) 47	[]		
40.	Which number has the 1) 56720	e greatest place value of 2) 27435	'7' 3) 99997	4) 86274	[]		
41.	How many basic nume 1) 7	erals are there in roman 2)8	numeration system 3)9	4) 10	[]		
42.	The number of minute 1) 3600	s in one complete day is 2) 1200	s 3) 2400	4) 1440	[]		
43.	Manohar works 8 hou earn in a week 1) ₹96	rs a day and 5 days a w 2) ₹672	eek, he is paid ₹12 an h 3) ₹480	ours. How mu 4) ₹156	ch doe [es he]		
44.	How many sixes are th 1) 108	nere in the product of 18 2) 371	and 479 is 3) 1437	4) 8622	[]		
45.	When a number is divided by 30	ded by 5, the quotient is	6. What is the quotient	when the same	numb [er is		
	1) 1	2) 10	3) 100	4) 1000		-		
46.	6. Each part on the number line drawn is of 1cm. What is the sum $AC + DE + GJ$ equal to							
	A B C D E	F G H I J			[]		
	1) AF	2) BH	3) DG	4) FJ				
47.	How many ones are th 1) 60	ere in the sum of prime 2) 121	numbers between 10 ar 3) 112	ud 30 4) 2	[]		
48.	Which one of the follo	owing has only one line	of symmetry		[]		
	1)	2)	3)	4)				
49.	The number of lines o 1) 6	f symmetry of a square 2) 4	has 3) 3	4) 0	[]		
50.	How many millions m	ake 10 crores			[]		
	1) 1	2) 10	3) 100	4) 1000				