

INTSO EDUCATION

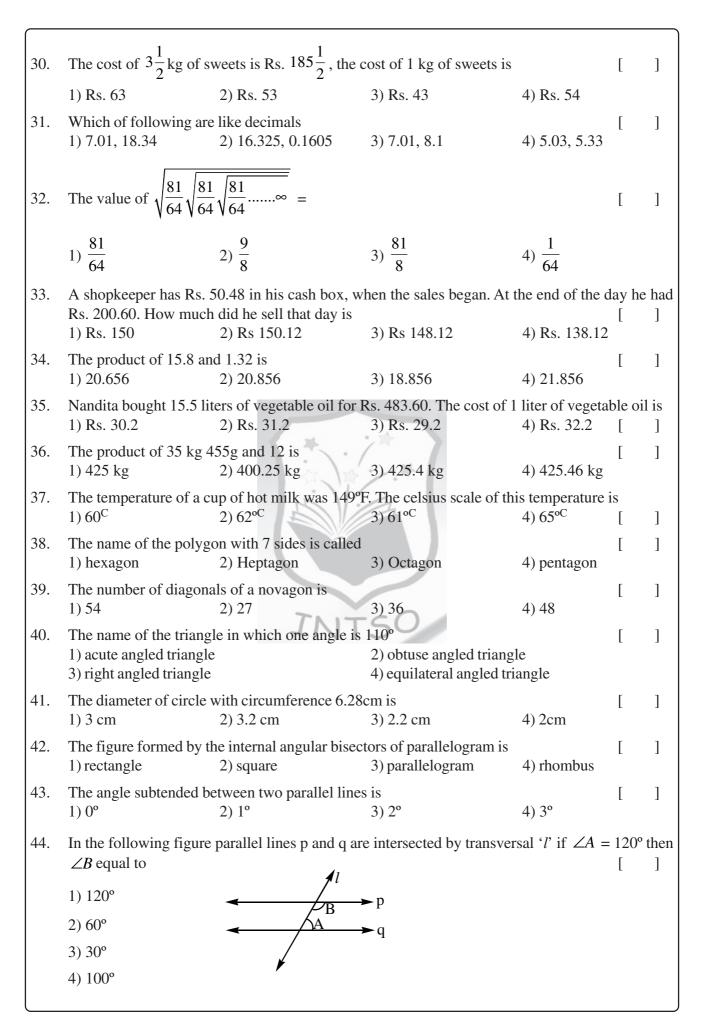
MATHEMATICS TALENT SEARCH OLYMPIAD(MTSO) 2015 - 2016

STAGE - 2 TIME : 60 min.
CLASS: V Max. Marks : 50
Instructions:

Instr	ructions:						
<i>□</i> >	Fill the OMR sheet completely and carefully. Each question carries one mark and has only one correct answer. 1/4 (one fourth) marks will be						
□	deducted for indicating incorrect response of each question. The question paper contains 50 questions to be answered in 60 minutes.						
1.	Number of lines of syn				Г	1	
1.	1) 4	2) 5	3) 3	4) 2	L	J	
2.	Number of lines of syn 1) 4	nmetry of a regular penta 2) 3	agon has 3) 2	4) 5	[]	
3.	The great mathematica 1) 1929	l genies shakumtala devi 2) 1927	i was born in the year 3) 1935	4) 1920	[]	
4.	In a million one is follows: 1) 5	owed by how many zeroo 2) 6	es 3) 7	4) 8	[]	
5.	The largest 8 digits num 1) 87554210	mber with the following 2) 78554210	digits 7, 8, 5, 4, 1, 2, 0, 3) 87545120	5 is 4) 87455120	[]	
6.	In Indian system the plant 1) seventy thousand	ace value of the underlin 2) seven lakhs	the digit in $\frac{1}{7653875}$ 3) seventy lakhs	4) 7 crores	[]	
7.	Hindu Arabic numeral 1) 2000	value of MMCCL is 2) 2250	3) 2200	4) 2050	[]	
8.	The Roman numeral val. 1) MMMCCXLIX	alue of 3249 is 2) MMMCCLIXX	3) MMMCLCIXX	4) MMCMLC	[XXX]	
9.	Number of crores are the 1) 1	nere in hundred millions 2) 10	3) 100	4) 1000	[]	
10.	In an election there were three candidates A, B and C. Candidate A got 5,65,68,496 v got 6,68,35,608 votes. The total number of votes was 22,36,50,608, then the winner						
	tion is 1) A	2) B	3) C	4) none]	
11.	The number of pairs of 1) 9	twin primes below 100 2) 8	is 3) 12	4) 16	[]	
12.	The product of divisors $(1040)^{15}$	s of 1040 is 2) (1040) ¹⁰	3) (1040) ²⁰	4) (1040) ⁴⁰	[]	
13.	Among the following a 1) 91	prime number 2) 41	3) 81	4) 51	[]	
14.	One box of pencils cos 1) Rs. 2,68,500	ts Rs. 18. The cost of 1-2) Rs. 2,68,542	4,919 boxes of pencils is 3) Rs. 2,68,400	4) Rs. 2,60,54	[2]	

www.intso.co.in _______ 1

15.	The remainder when 6 1) 987	6,69,987 is divided by 1 2) 7	00 is 3) 87	4) 187	[]
16.	pilligrimage		uses will be needed for		going [on a
	1) 20	2) 26	3) 28	4) 22		
17.	The least number that s 1) 400	should be added to 36,51 2) 36	16 so that the result is ex 3) 420	actly divisible 4) 450	by 456 [5]
18.	The value of 2[13 +{12 1) 74	2 + 11(10 - 8)] is 2) 84	3) 94	4) 104	[]
19.		n the first hour, 30 km in verage speed of the train 2) 40 km per hour	the second hour, 50 km n per hour is 3) 35 km per hour	in the 3 rd hour 4) 45 km per	[5 km]
20.	The average of first 10 1) 5	counting numbers is 2) 5.5	3) 6	4) 10	[]
21.	6 men finish the constr 9 men are employed 1) 30 days	ucting a house in 30 days 2) 15 days	s. Number of days will the 3) 20 days	ne house be con 4) 10 days	istruct [ed if
22.	,		days will 12 persons tak 3) 16 days	,	s []
23.	The H.C.F of 762 and 1) 762	1270 is 2) 154	3) 252	4) 254	[]
24.	The L.C.M of 144,96,1	160 is 2) 320	3) 1240	4) 1440	[]
25.	The smallest number w	which when divided by 4 2) 168	4 and 55 leaves a remai 3) 228	nder of 8 4) 238	[]
26.	The number 6702x is d 1) 1	livisible by 4, then the le 2) 2	ast digit to replace 'x' is 3) 0	4) 3	[]
27.	The H.C.F of $\frac{2}{7}, \frac{3}{14}, \frac{5}{3}$	is			[]
	1) 45	2) $\frac{1}{42}$	3) $\frac{1}{41}$	4) $\frac{1}{30}$		
28.	The L.C.M and H.C.F	of two fractions are $\frac{84}{5}$	and $\frac{4}{75}$. If one of the f	ractions is $\frac{12}{25}$.	The o	other
	fraction is				[]
	1) $\frac{7}{3}$	2) $\frac{3}{5}$	3) $\frac{28}{15}$	4) $\frac{84}{75}$		
29.	Rishita has a rope $5\frac{1}{4}$ m. He cuts off one - third of it. How long is the portion she cut off					
	1) $\frac{7}{4}$ m	2) $\frac{6}{5}$ m	3) $\frac{8}{3}$ m	4) $\frac{7}{3}$ m	[]



45.	The length and breadth 1) 4500 sq. cm	of a rectangle are 1.5m 2) 450 sq. cm	and 30 cm then its area 3) 45 sq. m	is 4) 4.5 sq. m]]
46.	10% of 25% is what pe	ercent of 12.5% of 40% 2) 25%	is 3) 50%	4) 70%	[]
47.	for the same time and r	rate then	ne simple interest on x an 3) $z^2 = xy$	d z is simple in 4) None	terest [on y
48.	The weight of a dog is A) 11 kg	8 kg plus one third its w 2) 12 kg	weight. The weight of the 3) 14 kg	e dog is 4) 15 kg	[]
49.	A radio is bought for F 1) 20%	Rs. 450 and sold for Rs. 42) 15%	495. The percentage of p 3) 10%	orofit is 4) 25%	[]
50.	A man go to sleep at 8 1) 8 hours 50 minutes 3) 9 hours 50 minutes	:25 P.M and wake up at	6:15A.M. For how long 2) 10 hours 50 minutes 4) 7 hours 45 minutes	-]]



www.intso.co.in ______ 4