



INTSO EDUCATION

MATHEMATICS TALENT SEARCH OLYMPIAD(MTSO) 2015 - 2016

STAGE - 2

TIME : 60 min.

CLASS : IV

Max. Marks : 50

Instructions:

- ⇒ Fill the OMR sheet completely and carefully.
- ⇒ Each question carries one mark and has only one correct answer. $\frac{1}{4}$ (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. The largest 4 digit number with '0' in the tens place is []
1) 9807 2) 9706 3) 8907 4) 9708
2. The short form of $2,00,000 + 30,000 + 500 + 6$ is []
1) 2,30,506 2) 23,00,506 3) 23,05,006 4) 20,30,506
3. The place value of 5 in 5,00,290 is []
1) Five thousand 2) Fifty thousand 3) 50 lakhs 4) 5 lakhs
4. A 6 digit number in which every digit (except first two digits) is the sum of the previous two digits []
1) 123456 2) 202246 3) 202468 4) 224306
5. Round the number 3780 to nearest thousand []
1) 3700 2) 3500 3) 3000 4) 4000
6. The cost of a television is Rs 100 less than Rs 46,590 . Its actual cost is []
1) Rs 46,490 2) Rs 45,590 3) Rs 47,590 4) Rs 45,690
7. The Hindu Arabic Numerals of MDCLXVII []
1) 1067 2) 1667 3) 6167 4) 1666
8. How many Millions are equal to 10 crores. []
1) 1000 Millions 2) 100 Millions 3) 10 Millions 4) 50 Millions
9. A Led T.V set costs Rs 92,425 and a digital camera costs Rs 78,946 , the total cost of both the items is []
1) 1,71,371 2) Rs 7,00,371 3) Rs 1,60,371 4) Rs 1,70,371
10. Nandita reads 125 pages of a book in 5 hours. Number of hours she finish the book if it has 275 pages []
1) 10 hours 2) 12 hours 3) 11 hours 4) 9 hours
11. 6 persons take 10 days to dig a well . Number of days will 10 persons take to dig 3 wells []
1) 12 days 2) 16 days 3) 18 days 4) 24 days
12. There are 24,356 people comprising men and women in an auditorium 13,245 are men estimate the number of women in the auditorium to the nearest 1000. []
1) 10,000 2) 1000 3) 11,100 4) 11,000
13. A goods train can carry 25 containers in one trip the number of containers the train can carry in 7 trips []
1) 175 2) 225 3) 165 4) 185

14. Nandita has a Pine apple orchard consisting of 1653 plants . If she has 15 such orchards then the number of plants are there in all []
 1) 23,695 2) 24,795 3) 22,795 4) 24,595
15. If a car travels 462 km in a month , the total distance travelled by the car in 5 years is []
 1) 25,520 km 2) 27,720km 3) 20,000 km 4) 20,520km
16. The number getting when 2 is subtracted from largest 6 digit even number is []
 1) 999990 2) 999994 3) 999990 4) 999996
17. 5 paper strips together make a design . Number of similar disigns can be made with 2645 paper strips []
 1) 429 2) 629 3) 519 4) 529
18. The number greater than 56 and less than 66 and leave 2 as remainder when divided by 7 is []
 1) 58 2) 79 3) 64 4) 72
19. The HCF of 49 and 84 is []
 1) 49 2) 7 3) 6 4) 1
20. The largest number that divides 232 and 157 leaving a remainder of 7 []
 1) 65 2) 6 3) 75 4) 55
21. The smallest number which on adding 10 to it is exactly divisible by 28,36 and 45 []
 1) 950 2) 960 3) 940 4) 860
22. A number which has the first 6 prime numbers as its factors []
 1) 30,030 2) 20,030 3) 25,020 4) 24,024
23. Number of kilograms is equal to 9 gms []
 1) 0.09kg 2) 0.009kg 3) 0.0009kg 4) 0.9kg
24. The difference between two numbers is 16.If the smaller is $\frac{3}{5}^{th}$ of the larger number. The larger number is []
 1) 20 2) 30 3) 24 4) 22
25. If the weight of a dog is 12 kg more than $\frac{1}{4}^{th}$ of its weight , the weight of the dog is []
 1) 12kg 2) 14kg 3) 18kg 4) 16kg
26. When 2900 is divided by 100, the quotient is []
 1) 29.1 2) 29 3) 291000 4) 2910
27. Murali eats $\frac{1}{4}^{th}$ of the biscuits from a packet of 24 biscuits and his daughter eats $\frac{1}{3}^{rd}$ of the biscuits in the packet . Number of biscuits left in the packet is []
 1) 8 2) 6 3) 14 4) 10
28. The greatest two digit factor of 164 is []
 1) 82 2) 84 3) 41 4) 64
29. The name of the solid have only one vertex is []
 1) cone 2) cylinder 3) sphere 4) cube
30. Number of faces of a cuboid has []
 1) 8 2) 12 3) 6 4) 4
31. There is 12l 445ml of water in a bucket Rishita used 5l 230ml of water to wash clothes. The water left in the bucket is []
 1) 7l 220 ml 2) 7l 215ml 3) 6l 215ml 4) 6l200ml

32. The sum of the successors of first three natural numbers is []
 1) 9 2) 8 3) 4 4) 6
33. Among the following a perfect square is []
 1) 2345893 2) 1486238 3) 156282 4) 10816
34. Number of Odd divisors of 32 []
 1) 1 2) 2 3) 3 4) 5
35. The temperature on warm sunny day was 35°C . Then this temperature in fahrenheit is []
 1) 95°F 2) 94°F 3) 98°F 4) 97°F
36. Antara purchased 1200 gm grapes and 2465 gm mangoes to make fruit salad. The total weight of the salad in kilograms is []
 1) 3 kilograms 2) 3.665 kilograms 3) 3.506 kilograms 4) 3650 kilograms
37. What should be the length of a golden thread needed to decorated the boundary of a photo frame of side 30 cm is []
 1) 60 cm 2) 45 cm 3) 120 cm 4) 240 cm
38. Number of days are there between 5th June and 21st October (not included 5,21) []
 1) 137 days 2) 136 days 3) 135 days 4) 140 days
39. Which of the following is a leap year []
 1) 1945 2) 1976 3) 1892 4) 1982
40. If 20th September is a Friday what day is it on 1st November []
 1) Tuesday 2) Sunday 3) Friday 4) Thursday
41. Rohit scored 25 percent marks in English. The marks were out of 60. The marks scored by him []
 1) 25 2) 30 3) 20 4) 15
42. 30% of 60% is what percent of 36% of 50% []
 1) 80% 2) 100% 3) 75% 4) 60%
43. The number A7389B where A, B are digits is divisible by 72, then (A, B) []
 1) (6, 3) 2) (3, 6) 3) (4, 7) 4) (7, 5)
44. On the sale of 10 M cloth, a gain equal to the selling price of 2M cloth was obtained. The gain percent is []
 1) 20% 2) 10% 3) 25% 4) 40%
45. The simple Interest on Rs. 1200 for $4\frac{1}{2}$ years at 8% per annum []
 1) Rs. 400 2) Rs. 432 3) Rs. 632 4) Rs. 1232
46. The number of 3 digit numbers whose digits are even is []
 1) 64 2) 75 3) 100 4) 125
47. Sum of the angles in a triangle is []
 1) 180° 2) 120° 3) 360° 4) 270°
48. The number of diagonals in hexagon is []
 1) 18 2) 10 3) 8 4) 9
49. Number of days are there in 3 years 10 days (not a leap year) []
 1) 1100 days 2) 1095 days 3) 1105 days 4) 1005 days
50. 6 hours 40 minutes is equals to []
 1) 360 minutes 2) 380 minutes 3) 400 minutes 4) 440 minutes

