



INTSO EDUCATION

MATHEMATICS TALENT SEARCH OLYMPIAD(MTSO) 2016 - 2017

STAGE - 1

TIME : 60 min.

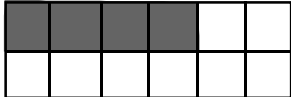
CLASS : III

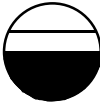
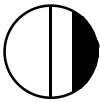
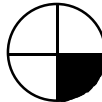
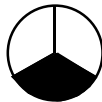
Max. Marks : 50

Instructions:

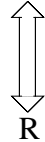
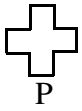
- ⇒ Fill the OMR sheet completely and carefully.
- ⇒ Each question carries one mark and has only one correct answer. No negative marks.
- ⇒ The question paper contains 50 questions to be answered in 60 minutes.

1. Among the following shows that 116 is more than 96 []
1) $116 + 96$ 2) $116 = 96$ 3) $116 > 96$ 4) $116 < 96$
2. Write down the numbers from 1 to 25 one after the other as shown below 123456789101112131415161718192021....25 Which digit is on the 22nd place from left
1) 3 2) 5 3) 4 4) 22 []
3. In 1859 which digit has lowest place value []
1) 1 2) 8 3) 5 4) 9
4. If 6 tens are added to 540 and divided by 20, then quotient is []
1) 20 2) 15 3) 40 4) 30
5. in the word RAMANA which fraction represents the letter 'A' []
1) $\frac{1}{2}$ 2) $\frac{1}{3}$ 3) $\frac{3}{5}$ 4) $\frac{3}{7}$
6. Venkat pasted 8 photos on each page of his album. If he used 52 pages how many pages did he paste []
1) 400 2) 416 3) 516 4) 500
7. 35 boys went to the museum. thrice as many girls went to the museum as boys. How many children went to the museum altogether. []
1) 135 2) 105 3) 125 4) 140
8. The ascending order of the numbers 246, 138, 4965, 2061 []
1) $138 < 246 < 2061 < 4965$ 2) $246 < 138 < 2061 < 4965$
3) $4965 < 2061 < 246 < 138$ 4) $2061 < 4965 < 246 < 138$
9. The successor of 29653 is []
1) 29652 2) 29643 3) 29654 4) 29650
10. The predecessor of 3219 is []
1) 3210 2) 3220 3) 3218 4) 3200
11. Mr RAMU purchased a car for ₹95650 he sold it for ₹58750. How much money did he lose []
1) ₹36000 2) ₹36600 3) ₹36700 4) ₹36900
12. The distance between Hyderabad and Mumbai is 1850km. Murali travels 550km by train, 850 km by bus and the rest by car. What distance does he travel by car []
1) 550 km 2) 450 km 3) 650 km 4) 500 km
13. How many 10 rupees coins can be exchanged for a 200 rupees note. []
1) 5 2) 10 3) 20 4) 15

14. Vassha pours $\frac{4}{5}l$ of syrup equally into 8 bottles. How much syrup is there in one bottle.
- 1) $\frac{1}{4}l$ 2) $\frac{1}{5}l$ 3) $\frac{1}{8}l$ 4) $\frac{1}{10}l$ []
15. A group of children share a pack of pencils. if each child takes 3 pencils, there will be 20 pencils left. if each child takes 4 pencils there will be no pencil left. how many pencils are there in the pack.
- 1) 40 2) 60 3) 80 4) 120 []
16. What is the difference between $\frac{3}{4}$ of 9000 and $\frac{2}{3}$ of 900
- 1) 5325 2) 6075 3) 6150 4) 8100 []
17. Which of the following is the smallest possible decimal number of three decimal places
- 1) 0.101 2) 0.111 3) 0.001 4) 0.011 []
18. Study the Hindu - Arabic equivalents of the given Roman numbers. []
 i) DCLV = 655 ii) XLVI = 46 iii) MDCL = 1560
 Which of the following is/ are correct
- 1) only i and ii 2) only ii and iii 3) only i and iii 4) only i
19. What is the place value of 3 in 712, 364, 962
- 1) hundred thousand 2) 300 thousands 3) 3 millions 4) 3 []
20. What time is it 3h 20 min before 11.15 am
- 1) 8.55 am 2) 7.55 pm 3) 7.55 am 4) 6.55 am []
21. What can be the weight of a chair in class room
- 1) 4m 2) 4l 3) 4cm 4) 4 kg []
22. What is the missing numbers $\frac{20}{40}$ $\frac{30}{60}$ $\frac{42}{84}$ $\frac{35}{?}$ []
- 1) 50 2) 65 3) 70 4) 86
23. How many days are there in 6 weeks 5 days
- 1) 45 days 2) 57 days 3) 53 days 4) 47 days []
24. What fraction does the shaded part represent
- 1) $\frac{1}{5}$ 2) $\frac{4}{7}$  []
- 3) $\frac{1}{3}$ 4) $\frac{1}{2}$
25. Mohan ate half of his cake and cut the remaining into 8 equal pieces. he gave 3 pieces of the cake to his friends. What fraction of the cake is he left with []
- 1) $\frac{1}{16}$ 2) $\frac{5}{16}$ 3) $\frac{5}{8}$ 4) $\frac{1}{2}$
26. What is 4 nines less than 900
- 1) 764 2) 846 3) 864 4) 754 []

27. How many 8's are there in 1632 []
 1) 24 2) 204 3) 208 4) 240
28. 10 oranges weigh the same as 2 melons. How many melons would weigh the same as 25 oranges []
 1) 4 2) 5 3) 6 4) 3
29. Which of the following is the same as 125 seconds []
 1) 2 minutes 5 seconds 2) 1 minute 5 seconds 3) 2 hours 5 minutes 4) 12 minutes 5 seconds
30. Which circle is $\frac{1}{3}$ shaded []
- 1)  2)  3)  4) 
31. The product of three consecutive odd numbers is 357627. What is their sum []
 1) 213 2) 243 3) 153 4) 209
32. The quotient of 200^{100} and 100^{50} is []
 1) 200^{50} 2) 100^{50} 3) 400^{50} 4) 300^{50}
33. The Hindu Arabic numeral value of MCC - L is []
 1) 1150 2) 1250 3) 550 4) 650
34. The 550 is roman numeral value of []
 1) ML 2) DL 3) LD 4) LM
35. The Hindu Arabic numeral value of (MMMCCCLXX – DCCCLXIX) is []
 1) MDI 2) DMI 3) DIM 4) MID
36. Which of the following numbers are the prime factors of 130 []
 1) 5 and 26 2) 3 and 13 3) 2, 5 and 13 4) 13 and 10
37. Which of the following is equal to $\frac{1}{3}$ []
 1) $\frac{1}{6} + \frac{1}{6}$ 2) $\frac{7}{12} - \frac{1}{6}$ 3) $\frac{1}{2} \times \frac{1}{6}$ 4) $\frac{5}{6} \div \frac{2}{3}$
38. The roman numeral value of 29 = []
 1) XXXI 2) XXIV 3) XXIX 4) VXIX
39. 7 hundred (700) was added 35 times the total is []
 1) 35700 2) 35000 3) 25400 4) 24500
40. RAMU can read 140 pages in 7 hours. How many pages does he read in half an hour []
 1) 5 2) 10 3) 20 4) 30
41. The least common multiple of 3, 6, 10 is []
 1) 120 2) 60 3) 30 4) 1
42. How much is $(145 \times 140) - (144 \times 140)$ []
 1) 145 2) 144 3) 140 4) 120
43. Who am I ? I am a 5 digit number. All my digits are same the sum of all 5 digits is 35 []
 1) 77777 2) 88888 3) 98765 4) 87654

44. How many thousands make 1 lakh []
 1) 1 2) 10 3) 100 4) 1000
45. What is the quotient when the greatest 3 digit number is divisible by the smallest 2 digit number []
 1) 1 2) 9 3) 99 4) 0
46. Identify the smallest number that is divisible by 10 and 12 []
 1) 60 2) 40 3) 80 4) 50
47. Which of the following figure is not a symmetric figure []



1) P

2) W

3) R

4) S

48. How many numbers are prime 3 33 333 3333 []
 1) 0 2) 1 3) 2 4) 3

49. The figure (semicircle) has how many lines of symmetry is []
 1) 1
 2) 2
 3) 3
 4) 0



50. Among the following capital letters of english alphabet has no line of symmetry is []
 B, D, H, T
 1) B 2) D 3) H 4) T

