



INTSO EDUCATION

MATHEMATICS TALENT SEARCH OLYMPIAD(MTSO) 2015 - 2016

STAGE - 1

TIME : 60 min.

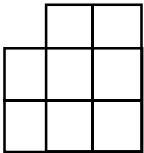
CLASS : III


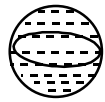
Max. Marks : 50

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. What is the smallest 3 digit number []
1) 000 2) 100 3) 111 4) 101
2. The successor of 5409 is []
1) 5408 2) 5400 3) 5410 4) 5410
3. The Hindu – Arabic numerical value of LXXIX []
1) 79 2) 1209 3) 81 4) 80
4. What is the nearest hundred of 343 []
1) 300 2) 400 3) 350 4) 340
5. What is the Kaprekar (MATHEMATICIAN) constant in the following []
1) 7083 2) 8352 3) 6174 4) 7641
6. The sum of the numbers 5394 and 2859 is []
1) 5490 2) 62859 3) 8253 4) 8263
7. Rahul has 1462 different varieties of stones while SOMU's collection consists of 2469 stones what is their total collection []
1) 3930 2) 3931 3) 3940 4) 3936
8. What is the estimated sum of 435 and 405 to the nearest hundreds []
1) 700 2) 900 3) 800 4) 840
9. There are 958 soldiers in a military camp out of which 389 were sent for special training. How many were left in the camp. []
1) 389 2) 569 3) 500 4) 469
10. Vijay had ₹9000. He bought a chair for ₹2500 and a cell phone for ₹5800. How much money is left with him. []
1) ₹600 2) ₹500 3) ₹700 4) ₹800
11. During an official tour a man spent ₹44 for food every day . Find the Amount he spent on food if he was on tour for 26 days []
1) ₹1000 2) ₹1144 3) ₹1111 4) ₹2222
12. What number should be added to 5676 get the largest 4 digit number. []
1) 5676 2) 4323 3) 3423 4) 5423

13. How many squares are there all together in this diagram []
 1) 8
 2) 9
 3) 10
 4) 11
- 
14. Nandita has 236 crayons. She wants to put them in packets containing 4 crayons each. How many packets she needs []
 1) 60 2) 49 3) 39 4) 59
15. There are 7 days in a week. How many weeks are there in 91 days []
 1) 14 2) 13 3) 12 4) 17
16. What will be the remainder when the largest 3 digit number is divided by the smallest 3 digit number []
 1) 88 2) 90 3) 9 4) 99
17. How many of these statements are true ? []
 A) $12 \div \frac{1}{2} = 6$ B) $3\% = 0.3$ C) $\frac{1}{7} < \frac{1}{9}$ D) $0.2 \times 0.4 = 0.8$
 1) one 2) two 3) three 4) none
18. The distance between the end of middle finger and elbow is known as []
 1) Span 2) cubit 3) Foot 4) Inch
19. The length of a Sari is 6 meters. How many centimeters does it. []
 1) 600cm 2) 60cm 3) 6000cm 4) 66cm
20. Rishita's mother bought 15kg 250gms of rice and 210kg 100gms of flour. How much grocery did she buy ? []
 1) 225 kg 2) 225 kg 350 gms 3) 235kg 350 gms 4) 235kg 300 gms
21. 12 kg 200 gms is equal to How many grams []
 1) 1200,200 gms 2) 12,200 gms 3) 1220 gms 4) 1400 gms
22. Convert Roman numerals into Hindu Arabic numerals MMCML []
 1) 2950 2) 3150 3) 3050 4) 2850
23. The Ascending order of fractions $\frac{1}{2}, \frac{1}{6}, \frac{1}{4}$ []
 1) $\frac{1}{2} < \frac{1}{4} < \frac{1}{6}$ 2) $\frac{1}{6} < \frac{1}{4} < \frac{1}{2}$ 3) $\frac{1}{4} < \frac{1}{2} < \frac{1}{6}$ 4) $\frac{1}{4} < \frac{1}{6} < \frac{1}{2}$
24. If all the divisors of 128 are arranged in ascending order the sixth divisor is []
 1) 16 2) 64 3) 32 4) 128
25. A train leaves Delhi at 19.30 hours . It reaches Bhopal at 01.50 hours the following day. How much time does the train take to reach Bhopal from Delhi. []
 1) 7 hours 20 min 2) 6 hours 10 min 3) 6 hours 20 min 4) 8 hours
26. If 8 : 4 and 108 : x are in proportion then x is []
 1) 64 2) 216 3) 104 4) 54
27. What percent is 250m of 2km []
 1) 25% 2) 50% 3) $\frac{25}{2}\%$ 4) $25\frac{1}{2}\%$

28. In a school canteen, the number of chocolates sold from Monday to Friday are 140, 335, 745, 385 and 645. Then the average number of chocolates sold per day []
 1) 400 2) 335 3) 450 4) 350
29. The angle whose measure is 180° is called []
 1) right angle 2) obtuse angle 3) straight angle 4) complete angle
30. The complementary angle of 60° is []
 1) 90° 2) 30° 3) 60° 4) 120°
31. In a circle the chord passing through centre of circle is called []
 1) radius 2) tangent 3) diameter 4) secant line
32. A flat surface extended indefinitely in all directions is called []
 1) sphere 2) circle 3) line 4) plane
33. Hours hand is in between 7 and 8 and minute hand is at 6, then the time is []
 1) 6 : 30 hours 2) 8 : 30 hours 3) 7 : 30 hours 4) 7 hours
34. The perimeter of a square whose sides measure 6cm each []
 1) 20cm 2) 24cm 3) 24cm^2 4) 12cm
35. The area of a rectangular park of length 55m and breadth 35m is []
 1) 1925M^2 2) 1925M 3) 1975M 4) 1825M
36. The volume of a cuboid whose length is 8cm, breadth is 4cm and height is 6cm []
 1) 190cm^2 2) 192cm^2 3) 192cm^3 4) 182cm^3
37. The distance around a figure is called its []
 1) Area 2) volume 3) length 4) perimeter
38. What is the name of the figure as given below is []
 1) cone
 2) cube
 3) cuboid
 4) cylinder
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39. What is the name of the figure as shown below []
 1) cube
 2) circle
 3) cone
 4) sphere
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40. The region of the circle bounded by two radii and an arc of circle is called []
 1) chord 2) Major segment 3) minor segment 4) sector
41. In a given Magic square sum of numbers in each row each column, and both of main diagonals are equal then the value of x is []
 1) 10
 2) 12
 3) 8
 4) 15
- | | | |
|----|--|----|
| 13 | | |
| 5 | | 15 |
| x | | |
42. In an equilateral Δ^{le} each angle is equal to how many degrees. []
 1) 60° 2) 70° 3) 45° 4) 90°
43. How many ones will appear from numbers 1 to 100 []
 1) 20 2) 21 3) 22 4) 24

44. Round off 3460 to the nearest thousands []
1) 3400 2) 3000 3) 4000 4) 3450
45. What is the units place digit in the number 5^{2005} []
1) 1 2) 4 3) 2 4) 5
46. What is the unit's place digit of $(26)^{125}$ is []
1) 6 2) 5 3) 2 4) 4
47. If two shirts cost is ₹500 then the cost of 12 shirts is []
1) ₹2000 2) ₹6000 3) ₹3000 4) ₹4000
48. Which of the following are twin Primes []
1) (5,7) 2) (9,11) 3) (3,7) 4) (13,17)
49. The H.C.F of 18 and 30 is []
1) 5 2) 2 3) 3 4) 6
50. The date of the 100th day of any year that is not a leap year is []
1) April - 10 2) April - 2 3) April - 7 4) April - 9

