

MATH TALENT HUNT EXAMINATION – 2020
Organised by : The Pi (π) Group of Mathematics (TPGM)

Class – V
F.M – 100

Time – 2 Hour

Instructions:

1. There are 50 questions of marks 2 each.
2. Put tick mark on the correct alternative against each question in your answer sheet.
3. There is no negative marking.

1. Which of the following is equal to $\frac{1}{3}$?

- (a) $\frac{1}{6} + \frac{1}{6}$ (b) $\frac{7}{12} - \frac{61}{6}$ (c) $\frac{1}{2} \times \frac{1}{6}$ (d) $\frac{5}{6} \div \frac{2}{3}$

2. The difference of 3944 and 1412 when rounded off to the nearest thousand is –

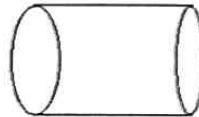
- (a) 2000 (b) 3000 (c) 2532 (d) 5356

3. What is the HCF of 242, 484 and 363?

- (a) $11 \times 2 \times 3$ (b) $11 \times 11 \times 2$ (c) 11×11 (d) 11

4. Number of lines of symmetry for the figure are –

- (a) 0 (b) 1 (c) 2 (d) 3



5. Which multiplication is not correct?

- (a) $\frac{1}{2} \times 4.12 \text{ l} = 2600 \text{ ml}$ (b) $\frac{2}{3} \times 2.19 \text{ l} = 1460 \text{ ml}$ (c) $\frac{3}{4} \times 3 \text{ l} = 2250 \text{ ml}$ (d) $\frac{4}{5} \times 2 \text{ l} = 1600 \text{ ml}$

6. To get a quotient of 50 what number should be divided by 19?

- (a) 900 (b) 950 (c) 1360 (d) 1900

7. The greater number in subtraction is called –

- (a) Subtrahend (b) Minuend (c) Dividend (d) Quotient

8. What must be added to 0.444 to get 1?

- (a) 1.444 (b) 0.556 (c) 0.566 (d) 0.666

9. What is the LCM of 50, 70 and 30?

- (a) 10 (b) 75 (c) 1050 (d) 2050

10. How many millions make 10 crore?

- (a) 1 (b) 10 (c) 100 (d) 1000

11. What number should be added to 73420 to get 9136.

- (a) 17949 (b) 27949 (c) 21949 (d) 104789

12. Which of the following is the product of $1\frac{1}{3}$, $3\frac{1}{4}$ and $\frac{7}{8}$?

- (a) $3\frac{5}{24}$ (b) $3\frac{19}{24}$ (c) $3\frac{1}{24}$ (d) $19\frac{3}{7}$

13. What is the cost of 30.5 litres of milk at the rate of 7.50 per litre?

- (a) Rs.225.75 (b) Rs.223.75 (c) Rs.228.75 (d) Rs.232.75

14. What time is it 3h 20min before 11:15a.m?

- (a) 8:55 am (b) 7:55 pm (c) 7:55 am (d) 6:55 am

15. Which of the following option represents $(700+2000+7)$?

- (a) 7270 (b) 7207 (c) 2770 (d) 2707

16. Write the face and place value of the underlined digit. 1935

- (a) 9 and 900 (b) 900 and 9 (c) 9 and 935 (d) 935 and 9

17. Which is the shortest length?

- (a) 1 m (b) 4 mm (c) 1 cm (d) none of these

18. 'Quarter past three' is written as

- (a) 2:15 (b) 3:15 (c) 2:45 (d) none of these

19. A line has _____ end points.

- (a) two (b) one (c) no (d) many

20. If reciprocal of a number is $1\frac{4}{7}$, then what is that number?

- (a) $1\frac{7}{4}$ (b) $\frac{17}{4}$ (c) $\frac{11}{7}$ (d) $\frac{7}{11}$

21. P is the least common multiple of 45 and 50, what is the value of $10p+100$?

- (a) 4500 (b) 4600 (c) 4400 (d) 1000

22. Which one of the following is a composite number?

- (a) 1 (b) 2 (c) 3 (d) 4

23. To get the successor of 13, which number should be added to 13?

- (a) 0 (b) 1 (c) 2 (d) 3

24. Subtract : Rs.890 – Rs.465.05

- (a) 424.05 (b) 420.95 (c) 424.95 (d) none of these

25. Ram was born on 29th February. His birthdays comes –

- (a) every year (b) twice in a year (c) after every four years (d) after every two years

26. The standard unit of length is –

- (a) m (b) km (c) mm (d) cm

27. When we divide 0 by 3, we get –

- (a) 0 (b) 1 (c) 2 (d) not defined

28. Simplify it : $20 + 70 \times 30 \div 2 - \frac{1}{3}$ of 45

- (a) 1735 (b) 547 (c) 1055 (d) 755

29. Find the area of the following figure –

- (a) 46 sq cm (b) 63 sq cm (c) 68 sq cm
(d) 52 sq cm

30. Complete the pattern : $\frac{1}{2}, \frac{2}{4}, \frac{3}{6}, \underline{\hspace{1cm}}$

- (a) $\frac{4}{7}$ (b) $\frac{4}{9}$ (c) $\frac{3}{7}$ (d) $\frac{4}{8}$

31. Tick the letter which will look the same after half turn –

- (a) A (b) O (c) C (d) H

32. One km is how many centimetres?

- (a) 100000 (b) 10000 (c) 1000 (d) 100

33. Which of the following is the Roman Number of 69 ?

- (a) LXXI (b) LXIX (c) CXIX (d) CXXI

34. Put the sign : $\frac{26}{169}$ $\frac{2}{13}$

- (a) < (b) > (c) = (d) none of these

35. Which of the following is the additive identity in the set of whole numbers?

- (a) 1 (b) 0 (zero) (c) – 1 (d) any number

36. Find the missing digit in the given multiplication

- (a) 4 (b) 5 (c) 2 (d) 9

$$\begin{array}{r} 1 \boxed{?} 3 \\ \times \quad 6 \\ \hline 9 \ 1 \ 8 \end{array}$$

37. Given $3830 \div P = 191$ remainder 10. The value of P is

- (a) 10 (b) 20 (c) 30 (d) 38

38. Perimeter of a square is 52 cm. Then find the area of the square.

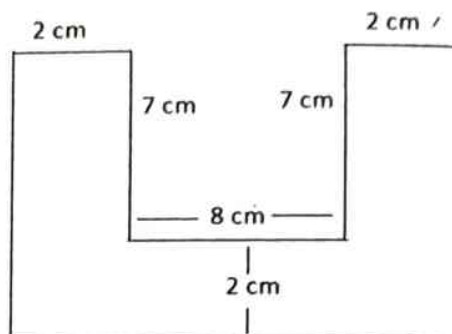
- (a) 163 sq. cm (b) 166 sq. cm (c) 169 sq. cm (d) 172 sq. cm

39. Sum of any three angles of a rectangle is equal to

- (a) 260° (b) 270° (c) 280° (d) 360°

40. _____ is the factor of every number.

- (a) 0 (b) 1 (c) 2 (d) none of these



41. Find the number whose 4% is 72.

- (a) 1200 (b) 1500 (c) 1600 (d) 1800

42. Divide 108 in two parts in the ratio 4:5

- (a) 48 & 60 (b) 12 & 50 (c) 20 & 50 (d) 60 & 70

43. Which Indian currency note does not exist?

- (a) Rs.50 (b) Rs.100 (c) Rs.20 (d) Rs.1000

44. How many rounds does hour hand take in one day?

- (a) 1 (b) 2 (c) 3 (d) none of these

45. Half of 50 divided by 5 is

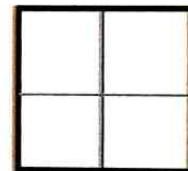
- (a) 5 (b) 10 (c) 0 (d) 25

46. Perimeter of rectangle –

- (a) $2 \times (l + b)$ (b) $2 + l + b$ (c) $l \times b$ (d) $4 \times \text{side}$

47. How many square are there in the given figure?

- (a) 5 (b) 10 (c) 6 (d) 8



48. Add $\frac{5}{7} + \frac{2}{7}$

- (a) 1 (b) $\frac{3}{7}$ (c) $\frac{7}{5}$ (d) $\frac{7}{2}$

49. The product of group of numbers A and B with a number C is same as the another group of numbers A and C with B. Which are of the following is correct about the statement?

- (a) $(A \times B) \times C \neq (A \times C) \times B$ (b) $(A \times B) \times C = (A \times C) \times B$ (c) $ABC = BCA$ (d) none of these

50. What is the ratio of Rs.3 and 60 paise ?

- (a) 1 : 20 (b) 5 : 1 (c) 1 : 2 (d) 20 : 1