



INSTITUTE OF MATHEMATICS EDUCATION

MATHS APTITUDE TEST – 2026 (Primary Level)

Std. : V and VI

Question Paper

Time : 2 Hours

Date : 29.08.2026

Total Marks : 100

Instructions : 1) Use separate answer sheet to mark answers. 2) First read question carefully, get the answer and darken the circle of respective correct alternative on answer sheet. 3) **No change is allowed, so think twice and then darken the appropriate circle.** 4) Note that half circle darkened or more than one circle darkened, cross or tick on the circle, will not be given marks. 5) If questions are not attempted, marks will not be given. 6) **You can use separate paper for rough work.**

Q.1: Number “Hundred Crores” in Indian system, is called _____ in international systems.

- A) 10 million B) 1 million
C) 1 billion D) 100 million

Q.2: $90009 \times 101 = ?$

- A) 9090909 B) 90099009
C) 9009090 D) Any other

Q.3: Find 14th even number before 371.

- A) 352 B) 344
C) 340 D) Any other

Q.4: Which of the following is divisible by 24?

- A) 6424 B) 7328 C) 7256 D) 6912

Q.5: The HCF of any two co-prime numbers equals

- A) their difference B) 1
C) smaller number D) larger number

Q.6: Which of the following is the greatest fraction?

$$\frac{17}{48}, \frac{17}{51}, \frac{17}{50}, \frac{17}{49}, \frac{17}{40}$$

- A) $\frac{17}{40}$ B) $\frac{17}{51}$ C) $\frac{17}{48}$ D) $\frac{17}{50}$

Q.7: $0.0005 + 0.5 - 0.05 - 0.005 + 5 = ?$

- A) 5.555 B) 5.550
C) 5.4455 D) 5.5555

Q.8: 20 centi m + 30 deci m + 40 deca m = _____ meter.

- A) 402.3 B) 43.2 C) 432 D) 403.2

Q.9: Write the number 999 in the Roman Numerals.

- A) CXCIX B) CMXCIX
C) CMMXCIX D) MCXLIII

Q.10: A clock shows quarter to seven in the evening. How much time is left for The Mickey Mouse show, which is at 15 minutes past 9 pm same day?

- A) 2.5 hrs. B) 2.3 hrs.
C) 1.75 hrs. D) None of these

Q.11: The length of a rectangle is greater than its breadth by $2\frac{1}{2}$ cm. If its perimeter is 37 cm, then find its area.

- A) 48 sq. cm B) 64 sq. cm
C) 72 sq. cm D) 84 sq. cm

Q.12: If India's republic day is on Monday in a non-leap year, then on which day is India's Independence Day celebrated in the same year?

- A) Monday B) Sunday
C) Saturday D) Tuesday

Q.13: Solve: $\{[(153 \div 17 \times 2)] + [(117 - 99) + 2]\} \times 5 =$

- A) 200 B) 190 C) 150 D) 175

Q.14: A vegetable costs Rs. 125 per kg. Find the cost of 600 gms. of the vegetable.

- A) ₹ 75 B) ₹ 35 C) ₹ 45 D) ₹ 65

Q.15: A square is divided into four identical smaller squares. The perimeter of each one of these smaller squares is 24 cm, then what is the area of the bigger square?

- A) 36 sq. cm B) 72 sq. cm
C) 144 sq. cm D) 148 sq. cm

Q.16: If an article of ₹ 350 is sold at ₹ 700, then percentage profit is

- A) 200 B) 70 C) 35 D) 100

Q.17: 10% of x = 80% of 450, find x.

- A) 4500 B) 3600 C) 5400 D) 3000

Q.18: In number 36905 if the digit '0' is removed, then by how much will the place value of digit 3 reduce?

- A) 30000 B) 2700
C) 27000 D) Any other

Q.19: $818181 - 181818 = ?$

- A) 636363 B) 999999
C) 191919 D) 111111

Q.20: $m^2 - 3$ is an odd number, then which of the following is even?

- A) $m + 5$ B) $m - 3$ C) $m^2 + 1$ D) $m^2 + 8$

Q.21: Among the given options what number should be added to 2533, so that it is divisible by 20?

- A) 25 B) 7 C) 15 D) 33

Q.22: For a set of natural numbers if 'p' is factor of 'q' & 'q' is a factor of 'r', where p, q, r are distinct, then

- A) $p \leq r$ B) $p > r$ C) $p \geq r$ D) $p < r$

Q.23: Let $2 - \frac{2}{11} = \frac{A}{44}$ Find A.

- A) 20 B) 40 C) 80 D) 100

Q.24: If $5005 \times 22 = 110110$, then $50.05 \times 2.2 = ?$

- A) 110.110 B) 101.101
C) 100.001 D) 111.111

Q.25: 1.5 kilo meter + 5000 milli meter + 50 deca meter = how many meters?

- A) 2550 B) 2055 C) 2005 D) 2555

Q.26: Write MDXV in international number system.
A) 1515 B) 1550 C) 1050 D) 1500

Q.27: Convert 8445 sec. into hr. min sec.
A) 2 hr. 10 min. 55 sec.
B) 2 hrs. 20 min 45 sec.
C) 2 hr. 25 min. 10 sec.
D) 2 hrs. 50 min. 40 sec.

Q.28: If $3x + 8 = 200 - x$, then $x = ?$
A) 92 B) 24 C) 36 D) 48

Q.29: If it is Monday on 31st December 2018, then what will be the day on 1st Jan 2021?
A) Tuesday B) Thursday
C) Wednesday D) Friday

Q.30: Simplify: $\{512 \div 16 + 16 \times 2\} \div (2 \times 2 \times 2) =$
A) 16 B) 8 C) 4 D) 32

Q.31: How many bottles will be required to fill 1260 liters of oil in bottles having capacity 60ml?
A) 2100 B) 210000 C) 21000 D) 210

Q.32: Length of rectangle is $\left(\frac{5}{4}\right)^{\text{th}}$ of its breadth. If its area is 125 sq. cm., then find its perimeter.
A) 45 cm. B) 100 cm. C) 60 cm. D) 50 cm.

Q.33: If SP is 1.5 times that of CP, and CP is Rs. 200, then which of the following is true?
A) Profit is 0.5 times CP
B) Profit is 1.5 times CP
C) Profit is 0.5 times SP
D) Can't decide

Q.34: $\frac{123}{984} = \frac{\quad}{\quad} \%$
A) 50% B) 25% C) 75% D) $12\frac{1}{2}\%$

Q.35: A natural number greater than 2, when it is first decreased by 2 and then divided by 2 gives remainder 1, then that natural number must be
A) prime B) even
C) odd D) can't decide

Q.36: If three numbers are given as, $x^2 - 7$, x^2 , and $x^2 + 7$, then their sum is always divisible by
A) 7 B) 3 C) 5 D) 2

Q.37: If $17 \times 6 = 102$ and $17 \times 8 = 136$, then what is L.C.M. of 102 and 136?
A) 17×48 B) 17×12
C) 17×24 D) 17×36

Q.38: $1 + \frac{1}{4} + \frac{1}{9} + \frac{1}{36} = ?$
A) $\frac{25}{36}$ B) $\frac{50}{36}$ C) $\frac{15}{36}$ D) $\frac{5}{36}$

Q.39: $\frac{3}{8} + 3.875 = ?$
A) 4.0 B) 3.3875 C) 4.50 D) 4.25

Q.40: 0.6 deci gram $\times$ 125 = how many deca gram?
A) 0.75 B) 12.5 C) 0.1 D) 1.25

Q.41: Write the time quarter to six in the morning in 12 hrs. clock.
A) 5:45 a.m. B) 6:15 a.m.
C) 6:45 p.m. D) 5:45 p.m.

Q.42: Let $(p \times q)$ sq. cm., $(q \times r)$ sq. cm and $(r \times p)$ sq. cm be the areas of three rectangles. If $p < q$ and $p > r$, then which of the following is the smallest perimeter.
A) $2(p + q)$ cm B) $2(q + r)$ cm
C) $2(p + r)$ cm D) cannot say

Q.43: If one article is sold for ₹ 'x' with profit of 'p' and another article is sold for ₹ 'y' at loss of ₹ 'q', then find total cost price of the two articles combined.
A) ₹ $x + y + p - q$ B) ₹ $x + y + q - p$
C) ₹ $x + y + p + q$ D) ₹ $x + y - p - q$

Q.44: A candidate who gets 30% marks, fails by 25 marks and another candidate who gets 50% marks gets 25 marks more than the passing marks. Find the maximum marks.
A) 100 B) 150 C) 175 D) 250

Q.45: One number has prime factors 5, x, and y. Another number has prime factors 3 and y where x, y are whole numbers. Find L.C.M. of these numbers.
A) 15y B) $15xy^2$ C) $15x^2y$ D) 15xy

Q.46: In a 3-digit number N, the digits are non-zero and distinct such that none of the digits is a perfect square and only one digit is a prime number. Find number of factors for the least possible value of N.
A) 5 B) 6 C) 4 D) 3

Q.47: Two numbers are 20% and 50% more than the third number respectively. The numbers are arranged in ascending order. Then what percentage of the second number equals the third number?
A) 125% B) 90% C) 80% D) 70%

Q.48: The cost of 21 pencils and 29 pens is ₹ 79. If the number of pencils and pens are interchanged then the cost is reduced by Rs. 8. Find the cost of one pen.
A) ₹ 1 B) ₹ 3 C) ₹ 2 D) ₹ 4

Q.49: A park is shaped like a square. A fencing of length $40\sqrt{2}$ meters is required to enclose the park. Find the cost of laying an electric wire along two diagonals of the park at a rate of ₹ 125 per meter.
A) ₹ $1850\sqrt{2}$ B) ₹ 2000
C) ₹ $3225\sqrt{2}$ D) ₹ 5000

Q.50: Class B has 50% more students than class A. Number of girls in class A is equal to number of boys in class B. The percentage of girls is same in both the classes. What percentage of the total students is number boys in class A and B combined?
A) 25% B) 40% C) 50% D) 60%
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