



General Instructions

- (i) The test is of 1 hour duration.
- (ii) The question paper consists of 50 questions. The maximum marks are 250.
- (iii) 5 marks are awarded for every correct answer, and 1 mark is deducted for every wrong answer.

1. If a person buys 15 pencils for Rs12, and sells 12 pencils for Rs15, find the gain or loss percentage.

- (A) Loss of 56.25%
- (B) Gain of 65.25%
- (C) Loss of 56.52%
- (D) Gain of 56.25%

2. Find the median of first 6 multiples of 5.

- (A) 7.5
- (B) 17.5
- (C) 27.5
- (D) 37.5

3. Potato's per-kilogram price has risen from Rs.18 to Rs.25. What should be the percentage reduction in potato use so that expenditure does NOT increase?

- (A) 28%
 - (B) 31%
 - (C) 22%
 - (D) 34%
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4. Find the missing character in the given table:

16	210	14
14	156	12
12	?	10

- (A) 90
 - (B) 100
 - (C) 110
 - (D) 120
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5. If $\left(\frac{3}{5}\right)^{3p-2} = \left(\frac{9}{25}\right)^8 \times \left(\frac{3}{5}\right)^{-3}$, then the value of $2p + 1$ is:

- (A) 10
 - (B) 11
 - (C) 14
 - (D) 15
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6. Find the next term in the series: M13, O18, ?, S28, U33

- (A) R22
 - (B) Q23
 - (C) P22
 - (D) R24
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7. The area of an equilateral $\triangle ABC$ is $169\sqrt{3} \text{ cm}^2$. Find the in-radius of $\triangle ABC$.

- (A) $10/\sqrt{3}$
 - (B) $13/\sqrt{3}$
 - (C) $12/\sqrt{3}$
 - (D) $11/\sqrt{3}$
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8. If the word 'LEADER' is coded as 20-13-9-12-13-26. How would you write "LIGHT"?

- (A) 20-16-15-17-22
 - (B) 20-17-15-16-28
 - (C) 20-15-16-18-23
 - (D) 20-16-17-15-27
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9. A sum of money becomes 7 times itself in 2 years at a certain rate of simple interest. Find the rate of interest per annum.

- (A) 100%
 - (B) 10%
 - (C) 200%
 - (D) 300%
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10. The difference between the CI and the SI on a sum of money lent for 2 years at 20% interest per annum is 80. The sum is:

- (A) Rs2,000
 - (B) Rs1,200
 - (C) Rs1,500
 - (D) Rs1,000
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