

General Instructions:

1. This question paper consists of **15 multiple-choice questions (MCQs)**.
2. Each question carries **1 mark**. The maximum marks for this test are **15**.
3. The total time allowed to complete this test is **20 minutes**.
4. All questions are compulsory.
5. Each question has **four options (A), (B), (C), and (D)**. Only one option is correct.
6. Students must choose the **most appropriate option** for each question.
7. No marks will be deducted for incorrect answers.
8. Calculators and other electronic devices are **not permitted**.
9. Rough work should be done neatly in the space provided (if any).
10. Read each question carefully before answering.

Instructions

- Each question carries 1 mark.
- Attempt all questions.
- No negative marking.

Questions

Q1: If $7 : 9 = 42 : x$, then the value of x is:

- (a) 54
- (b) 63
- (c) 72
- (d) 81

Q2: The ratio of 1 hour 30 minutes to 90 minutes is:

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

Q3: 48% of 750 is equal to:

- (a) 300
- (b) 320
- (c) 360
- (d) 400

Q4: What percentage is 126 of 600?

- (a) 18%
- (b) 21%

(c) 24%

(d) 27%

Q5: A number is increased by 30% and then decreased by 30%.
The net change in the number is:

(a) 0%

(b) 9% decrease

(c) 9% increase

(d) 30% decrease

Q6: The price of a smartphone is reduced by 18%. If the original price was Rs.25,000, the new price is:

(a) Rs.20,000

(b) Rs.20,500

(c) Rs.21,000

(d) Rs.21,500

Q7: If the cost price of a fan is Rs.2,400 and the selling price is Rs.2,880, the profit percentage is:

(a) 15%

(b) 20%

(c) 25%

(d) 30%

Q8: A shopkeeper sells a refrigerator for Rs.18,000 at a loss of 10%.
The cost price of the refrigerator is:

(a) Rs.19,000

(b) Rs.20,000

(c) Rs.21,000

(d) Rs.22,000

Q9: The simple interest on Rs.2,500 for 3 years at 12% per annum is:

- (a) Rs.750
- (b) Rs.900
- (c) Rs.1,000
- (d) Rs.1,200

Q10: If the principal is Rs.4,000, the rate is 15% per annum, and the time is 2.5 years, the simple interest is:

- (a) Rs.1,200
- (b) Rs.1,500
- (c) Rs.1,800
- (d) Rs.2,000

Q11: In a school of 1,200 students, 40% are boys. The number of girls is:

- (a) 480
- (b) 600
- (c) 720
- (d) 840

Q12: A train travels 400 km in 5 hours. If it travels at the same speed, the distance covered in 2.5 hours is:

- (a) 160 km
- (b) 200 km
- (c) 240 km
- (d) 280 km

Q13: The ratio of sugar to water in a solution is 3:10. If there are 51 grams of the solution, the quantity of sugar is:

- (a) 10 grams
- (b) 12 grams
- (c) 15 grams
- (d) 18 grams

Q14: A store offers a 25% discount on a jacket priced at Rs.3,200. The selling price of the jacket is:

- (a) Rs.2,200
- (b) Rs.2,400
- (c) Rs.2,600
- (d) Rs.2,800

Q15: The population of a city increases by 8% every year. If the current population is 75,000, the population after 2 years will be:

- (a) 80,000
- (b) 82,000
- (c) 84,000
- (d) 86,000