

**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  $4 : 7 = 20 : x$ , then the value of  $x$  is:

- (a) 25
- (b) 30
- (c) 35
- (d) 40

**Q2:** The ratio of 30 minutes to 1.5 hours is:

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

**Q3:** 18% of 500 is equal to:

- (a) 70
- (b) 80
- (c) 90
- (d) 100

**Q4:** What percentage is 45 of 150?

- (a) 20%
- (b) 25%

(c) 30%

(d) 35%

**Q5:** A number is decreased by 25% and then increased by 25%.  
The net change in the number is:

(a) 0%

(b) 6.25% decrease

(c) 6.25% increase

(d) 25% decrease

**Q6:** The price of a shirt is increased by 12%. If the original price was Rs.300, the new price is:

(a) Rs.320

(b) Rs.336

(c) Rs.340

(d) Rs.350

**Q7:** If the cost price of a book is Rs.120 and the selling price is Rs.150, the profit percentage is:

(a) 20%

(b) 25%

(c) 30%

(d) 35%

**Q8:** A trader sells a watch for Rs.800 at a loss of 20%. The cost price of the watch is:

(a) Rs.900

(b) Rs.1000

(c) Rs.1100

(d) Rs.1200

**Q9:** The simple interest on Rs.800 for 3 years at 7% per annum is:

- (a) Rs.140
- (b) Rs.168
- (c) Rs.180
- (d) Rs.200

**Q10:** If the principal is Rs.2000, the rate is 8% per annum, and the time is 2.5 years, the simple interest is:

- (a) Rs.300
- (b) Rs.320
- (c) Rs.350
- (d) Rs.400

**Q11:** In a class of 50 students, 16% are absent. The number of students present is:

- (a) 38
- (b) 40
- (c) 41
- (d) 42

**Q12:** A train travels 120 km in 2 hours. If it travels at the same speed, the distance covered in 90 minutes is:

- (a) 70 km
- (b) 80 km
- (c) 90 km
- (d) 100 km

**Q13:** The ratio of apples to oranges in a basket is 5:3. If there are 40 fruits in total, the number of oranges is:

- (a) 12

- (b) 15
- (c) 18
- (d) 20

**Q14:** A shopkeeper offers a 10% discount on a pair of shoes priced at Rs.800. The selling price of the shoes is:

- (a) Rs.680
- (b) Rs.700
- (c) Rs.720
- (d) Rs.750

**Q15:** The population of a town increases by 5% every year. If the current population is 20,000, the population after 2 years will be:

- (a) 21,000
- (b) 22,000
- (c) 22,050
- (d) 22,500