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.

Test Paper 03

Code: 2026/Simple Equations/07/03

1. Solve: $\frac{x-5}{2} - \frac{x-3}{5} = \frac{1}{2}$

   (a) 5

   (b) 2

   (c) 8

   (d) 7

2. A total of 500 currency notes consists of Rs 100 and Rs 500 denominations. If the total value is Rs 1,70,000, find the number of Rs 100 notes.

   (a) 100

   (b) 200

   (c) 300

   (d) 400

3. If $\frac{x}{0.5} = 10$, what is x?

   (a) 1

   (b) 2

   (c) 3

   (d) 5

4. Three-fourths of a number is 60 more than one-half of the number. The number is:

   (a) 120

   (b) 180

   (c) 240

   (d) 300

5. Find y: $0.3(6 - y) = 0.4(y + 1)$

   (a) 1

   (b) 2

   (c) 3

   (d) 4

6. The sum of two consecutive even integers is 46. The integers are:

   (a) 20 and 26

   (b) 22 and 24

   (c) 24 and 22

   (d) 26 and 20

7. If $\frac{2x+5}{3} = 3x - 10$, find x.

   (a) 1

   (b) 2

   (c) 3

   (d) 5

8. Two complementary angles differ by 20 degrees. Find the larger angle.

   (a) 55

   (b) 65

   (c) 75

   (d) 85

9. If $x = 1$ is a solution of $ax^2 + ax + 3 = 0$, find a:

   (a) -1

   (b) -2

(c) -3

(d) -4

10. A purse has only 2-rupee and 5-rupee coins. The sum of the coins is 36 and their value is Rs 117. How many 5-rupee coins are there?

    (a) 9

    (b) 11

    (c) 13

    (d) 15

11. Change into equation: "Six times a number m minus 10 gives 50."

    (a) $6m - 10 = 50$

    (b) $6m + 10 = 50$

    (c) $6(m - 10) = 50$

    (d) $6m = 50 - 10$

12. If $p = -2$, find the value of $4p + 7$.

    (a) -1

    (b) 1

    (c) -8

    (d) 8

13. Solve: $x + \frac{1}{2} = \frac{3}{2}x - 1$

    (a) 1

    (b) 2

    (c) 3

    (d) 4

14. The length of a rectangle is double its breadth. If the perimeter is 60 cm, find the area.

    (a) 100 cm^2

    (b) 200 cm^2

    (c) 300 cm^2

    (d) 400 cm^2

15. If $\frac{x}{2} + \frac{x}{3} + \frac{x}{4} = 13$, then $x =$?

    (a) 12

    (b) 18

    (c) 24

    (d) 36