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 01

Code: 2026/Simple Equations/07/01

1. If $\frac{3x-5}{4} + 2 = 11$, then the value of x is:

   (a) 11/5

   (b) 13/23

   (c) 41/3

   (d) 9

2. A number is such that it is as much greater than 84 as it is less than 108. The number is:

   (a) 94

   (b) 96

   (c) 92

   (d) 88

3. Which of the following is an identity rather than just a conditional equation?

   (a) $2x + 3 = 7$

   (b) $3(x - 1) = 3x - 3$

   (c) $x^2 = 4$

   (d) $x + 5 = 0$

4. If $2p - 3(p - 2) = 4p - 9$, find p:

   (a) 3

   (b) -3

   (c) 5

   (d) 15/5

5. The sum of three consecutive multiples of 7 is 357. The smallest multiple is:

   (a) 112

   (b) 119

   (c) 126

   (d) 105

6. One-fourth of a number is 5 more than its one-sixth. The number is:

   (a) 60

   (b) 48

   (c) 30

   (d) 72

7. If $\frac{x}{2} - \frac{x}{3} = \frac{x}{4} + \frac{1}{2}$, then x is:

   (a) -6

   (b) 6

   (c) -4

   (d) 4

8. The perimeter of a rectangle is 40 cm. If its length is 4 cm more than its breadth, the length is:

   (a) 12 cm

   (b) 8 cm

   (c) 16 cm

   (d) 10 cm

9. In a trial and error method, if $x = 2$ makes LHS $<$ RHS and $x = 4$ makes LHS $>$ RHS for a linear equation, the solution:

   (a) Must be 3

(b) Lies between 2 and 4

(c) Is greater than 4

(d) Cannot be determined

10. If $7x - (2x + 5) = 3x + 9$, find x:

    (a) 7

    (b) 4

    (c) 2

    (d) 14

11. A father is 30 years older than his son. In 12 years, the father will be three times as old as his son. The son's present age is:

    (a) 5 years

    (b) 3 years

    (c) 10 years

    (d) 15 years

12. The solution of $0.15(5x - 2) = 0.4(x + 1)$ is:

    (a) 2

    (b) 4

    (c) 1.5

    (d) 0.5

13. If $\frac{2x+1}{3x-2} = \frac{5}{9}$, then x is:

    (a) -19

    (b) 19

    (c) 1

    (d) 0

14. Subtracting 5 from thrice a number gives 16. The equation is:

(a) $5 - 3x = 16$

(b) $3x - 5 = 16$

(c) $3(x - 5) = 16$

(d) $x/3 - 5 = 16$

15. If $a + b = 10$ and $a - b = 2$, what is the value of a?

(a) 4

(b) 8

(c) 6

(d) 5