Std-VII SIMPLE EQUATION

Marks-25

Note : Q.Nos. 1-3 carry 1 mark each,

Q.No.4-14 Carry 2 marks each

Select the correct answer from the alternatives given against each of the following (1-2):

1. Which of the following is not a linear equation?

(A)
$$3x + 7 = 2$$

(B)
$$4y = 1$$

(C)
$$x^2 = 9$$

(D)
$$x-1=0$$

2. Which of the following is not a correct statement form of 4p-3=13

(A) If 3 is subtracted from 4 times of p, the result is 13.

(B) The difference of 4p and 3 is 13.

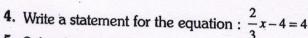
(C) The difference of 4p and 3 is 13 when 4p > 3.

(D) 4p is 13 more than 3.

3. Rewrite the following statement in the form of equation:

(a) Three-fifth of x when added to 7 becomes 22.

(b) Thrice of a number is twice the sum of the number and 5.

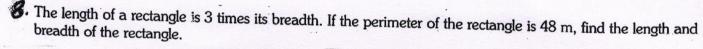


5. Solve the equation:

$$2(x-4) + 3(x + 2) = 4(x + 5).$$

6. Solve the equation : $\frac{x}{2} - 1 = \frac{x}{3} + 4$

7. Solve the equation :
$$\frac{3y}{10} + \frac{2y}{5} = \frac{7y}{25} + \frac{29}{25}$$



9. Solve the equation: $\frac{x}{4} + 7 = 3$.

10. Solve the equation: 2y + 3 = 5y + 7.

//- Solve the equation: $\frac{7y+8}{9} = 9$

12. A number is as much greater than 21 as it is less than 71. Find the number

13. Solve the equation : $5p + 3 = \frac{4}{3}(p + 1)$

14. Find three consecutive natural numbers whose sum is 11.



