

**CHAPTER - 2****LINEAR EQUATIONS IN ONE VARIABLE****Questions carrying 1 Mark each :-**

Q.1 By which sign the algebraic expressions are connected to form an equation?

Q.2 Find the solution of  $2x+5=7$ .**Questions carrying 2 Marks each :**

Q.3 Solve for y :-

$$\frac{y}{xxy} = \frac{2}{5}$$

Q.4 Find the solution of

$$\frac{0}{2} + 5550x5 = 300$$

Q.5 A number is seven times the other number. If their sum is 96, find the numbers.

**Questions carrying 3 marks each:-**

Q.6 If the same number is added to both the numerator and denominator of a fraction

 $\frac{x}{5}$ , then the result is  $\frac{1}{4}$ . Find the number.

Q.7 The perimeter of a rectangle is 52cm. If its width is 2cm more than one-third of its length, find the dimensions of the rectangle.

Q.8 The sum of three consecutive multiples of 7 is 777. Find these multiples.

- Q.9 Meena's mother is four times as old as Meena. After five years, her mother will be three times as old as she will be then. What are their present ages?

**Questions carrying 6 marks each :-**

- Q.10 The sum of the digits of a two digit number is 10. If the number formed by reversing the digits is less than the original number by 36, find the number.
- Q.11 A bag contains coins of denomination of Rs. 5 and Rs. 2. The total value of these coins is Rs. 1272. If the number of two rupee coins is 15% of the five rupee coins, find the number of coins of each denomination.

**Multiple choice Questions carrying 1 mark each :-**

- Q.12 In a linear equation, the highest power of the variable is :-
- a) One                      b) two
- c) Three                      d) Zero
- Q.13 An equation of the form  $ax + b = c$ , where  $a$ ,  $b$  and  $c$  are numbers,  $a \neq 0$  and  $x$  is the variable; represents a
- a) linear equation
- b) linear equation in one variable
- c) linear equation in two variables
- d) None of these