ASSIGNMENT NO. 4

CHAPTER- SIMPLE EQUATIONS

CLASS- VII SUBJECT - MATHS

Q1. Solve 2n+16= 4-n

Q2. Find three consecutive even integers whose sum is 180.

Q3. If a number is increased by 15, it becomes 50. Then the number is \_\_\_\_\_\_.

Q4. Solve the following equations by trial and error method:-

1. 4p-12 = -4 ii) -2x+18 = 12

Q5. The solution of which of the following equations is neither an integer nor a fraction ?

a) 2x+5=1 b) 3x-7=0 c) 5x-7= x+1 d) 4x+7= x+2

Q6. If the sum of two consecutive odd numbers is 28, then the bigger number is :-

a) 19 b) 17 c) 15 d) 13

Q7. The length of a rectangle is 3 units more than breadth and the perimeter is 22 units.

Find the breadth and length of the rectangle.

Q8. Solve the following equations and verify your answers :-

1. 3x-1/3= 2( x-1/2) +5 ii) 4(2x-1) -2(x-5) = 5(x+1) +3

Q9. If 3 is added to a number, then result is 15. Find the number.

Q10. Construct 3 equations having solution x= -2.

Q11. Find a number which when multiplied by 7 increases by 60.

Q12. Give the first step you will use to separate the variable and then solve the equations:-

1. 3m-20 = -2 ii) 10p/7 = 50 iii) 19t = -30

Q13. Check whether n= 3 is the solution of equation 5n-40 = -60

Q14. True/False:-

The solution of a linear equation in one variable is always an integer.

Q15. In a class of 35 students, the number of girls is two-fifth of the number of boys.

Find the number of girls in the class.

Q16. Solve the following equation:-

3(x-2) = 2(x+1)-3

Q17. Rajni’s father’s age is 5 years more than three times Rajni’s age. Rajni’s father is 41 years old. Set up an equation to find Rajni’s age.

Q18. If thrice a certain number is diminished by 7, the result is 9 more than the number.

Find the number.

Q19. True/ False :-

4x+9 < 49 is not an equation.

Q20. If 5 added to thrice an integer is -7, the the integer is:-

1. -5 ii) -4 iii) 4 iv) -6