TIME-45 MINS   **MAXIMUM MARKS-20**

Choose the correct option. (2X1=2)

1.A linear equation in two variables is of the form ax+by+c=0,where

(a) a ≠ 0, b ≠ 0   (b) a=0,b≠ 0   (c) a≠0,b=0(d)a=0,c=0

2.The graph of the linear equation 2x+3y=6 is a line which meets the x-axis at the point:

(a)(0,2)   (b)(2,0)   (c)(3,0)   (d)(0,3)

Fill in the blanks: (2X1=2)

3: Any point on the x-axis is of the form(--------).

4: The graph of y=mx is a straight line, passes through------ .

Answer the following: (2X1=2)

5: If the point (3,4) lies on the graph of the equation 3y=ax+7,find the value of a.

6: Find the value of k, if (2,0) is a solution of the linear equation 2x+3y=k.

Short Answer Type Questions-I: (2X2=4)

7:The cost of a pen is four times the cost of a pencil.Express the statement as a linear

equation in two variables.

8:Write four solutions for the following equation :3x-4y=12.

Short Answer Type Questions-II: (2X3=6)

9: Give the geometrical representation of the equation y=2 as an equation in:

a)one variable.   b)two variables.

10: Draw the graph of the equation 3x-4y-13=0 and check whether the point (3,-1)

belongs to the line.

Long Answer Type Question(1X4=4)

11: Draw the graph of 2x-y+4=0.

a)Find the points of intersection of the graph with axes.

b)Find the area between the lines and axes.

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