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**SERIES - 1****IMP SERIES Introduced  
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“CGBSE SUPPORT”****Important Questions  
for Chhattisgarh  
Board Exam ‘2021’**

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**Class – 10<sup>th</sup>****Subject – Mathematics****“Co-ordinate Geometry”****1 Marks Questions.**

1. On the basis of the coordinates of the following points tell on which axis the points exist?

- a. (0, 5)
- b. (-6, 0)
- c. (-3, 0)
- d. (0, -3.5)

2. Fill in the blanks –

- (i) Point p (-4,-7) lies in ..... quadrant.
- (ii) The y coordinate of any point on x-axis is .....
- (iii) The x-coordinate of any point on y-axis is .....
- (iv) Coordinates of origin are .....

**2 Marks Questions**

1. Calculate the distance of point (3, 4) from the origin.
2. A line passes through the points (1, 2) and (5, 10). Find the slope.
3. A line passes through the point (3, 7) and (6, 8) then find the slope of the line.

**‘4’ Marks Questions**

1. Find the coordinates of the point which is on y-axis and which is equidistant from points (5, 2) and (3, 4) .
2. Find the relation between x and y such that point (x, y) is equidistant from the point (7, 1) and point (3, 5).
3. Write straight line  $5x+6y=7$  in the form of  $y=mx+c$  and find the slope of the line and its intercept from y-axis.

4. Find the equation of that straight line which cuts an intercept of 3 units on y-axis and whose slope is  $\frac{5}{4}$ .
5. Find the slope of the line which passes through point (6, 0) and whose slope is  $\frac{7}{3}$ .
6. Find the slope of the line which passes through origin and also passes through point (2, 3).
7. A line passes through a point (5, 7) and its slope is  $\frac{2}{3}$ . Find the x coordinates of that point on this line whose y coordinate in 13.

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