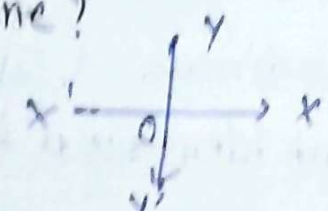
① write the answer of each of the following question.

(i) what is the name of horizontal and the vertical lines drawn to determine the position of any point in the cartesian plane?

Ans:- Horizontal line = x axis
vertical line = y axis



(ii) what is the name of each part of the plane formed by these two lines?

Ans Each part of the plane formed by those two line is quandrant.

(iii) write the name of the point where these two lines intersect.

Ans: Origin.

② see Fig 3.14 and write the following

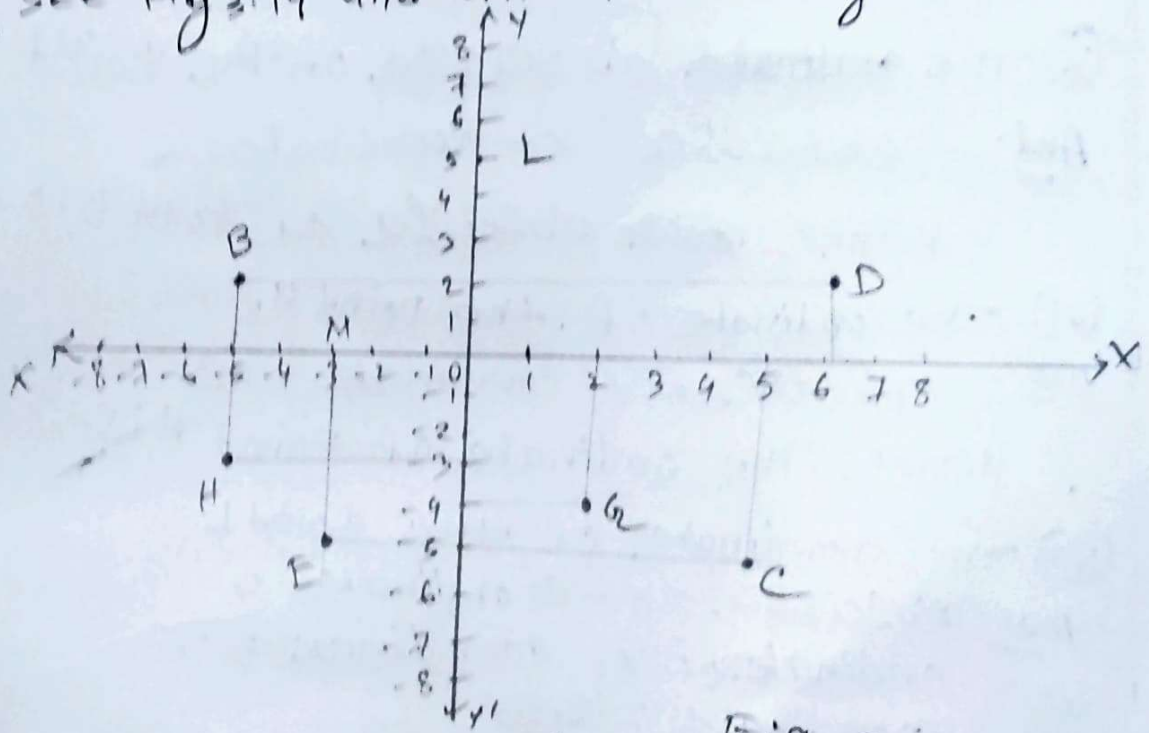


Fig. 3.14

(i) The coordinates of B

Ans Abscissa = x- coordinate = -5
ordinate = y- coordinate = 2
coordinates (-5, 2)

(ii) The coordinates of C.

Ans:- Abscissa = x- coordinate = 5

Ordinate = y- coordinate = -5

coordinate = (5,-5)

(iii) The point identified by the coordinates (-3, -5)

Ans:- Abscissa = x- coordinate = -3

Ordinate = y- coordinate = -5

So, the required Point is Point E.

(iv) The point Identified by the coordinates (2,-4)

Ans:- Abscissa = x- coordinate = 2

Ordinate = y- coordinate = -4

So, the required point is Point G2.

(v) The ~~ordinate~~ ab scissa of the Point D.

Ans:- Abscissa = x- coordinate = 6

Henee, ~~abscissa~~ abscissa of Point D is 6

(vi) The ordinate of the point H.

Ans:- ordinate = y- coordinate = -3

Henee, the ordinate of Point H is -3

(vii) The coordinates of the point L.

Ans Abscissa = x- coordinate = 0

ordinate = y- coordinate = 5

coordinate = (0,5)

(viii) The coordinates of the point M

Ans:- Abscissa = x-coordinate = -3

ordinate = y- coordinate = 0

coordinates = (-3,0)