



SHIKSHA CLASSES

Sub : Maths
Class : IX

Question Paper
3 : Coordinate Geometry

Total Marks : 30
Time : 1 Hour

Section A (Each 1 Mark)

Multiple choice Questions (MCQs).

- Q.1 : The point of intersection of x-axis and y-axis is called as -----.
- a) Zero point b) Origin
c) Null point d) None of these
- Q.2 : Ordinate of a point is negative in :
- a) III and IV quadrant b) III quadrant only
c) II and III quadrant d) IV quadrant only
- Q.3 : Abscissa of a point is positive in :
- a) I and II quadrant b) I and IV quadrant
c) I quadrant only d) II quadrant only.
- Q.4 : Name the points of the plane which do not belong to any quadrants.
- a) abscissa b) Ordinate
c) Origin d) None of above
- Q.5 : The point which lies on y-axis at a distance of 5 units in the negative direction of y-axis is.
- a) (0, 5) b) (0, -5)
c) (5, 0) d) (-5, 0)
- Q.6 : Which graph is parallel to x-axis?
- a) $y = x + 1$ b) $y = 2$ c) $x = 3$ d) $x = 2y$
- Q.7 : Which point lies to the right of y-axis?
- a) (0, 3) b) (-2,-1) c) (3, 5) d) (-3,-2)
- Q.8 : Which point lies on the left of y-axis?
- a) (2, 0) b) (-2,-4) c) (5, 2) d) (3, 6)
- Q.9 : Which point lies above x-axis?
- a) (-1, 2) b) (2, 0) c) (-1,-5) d) (0,-3)

For question number 10 to 11 two statement are given one labeled Assertion and other labeled Reason select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below

- a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).
- b) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).

- c) Assertion (A) is true but reason (R) is false.
 d) Assertion (A) is false but reason (R) is true.

Q.10 : **Assertion:** Point A(-2, -4) lies on III quadrant

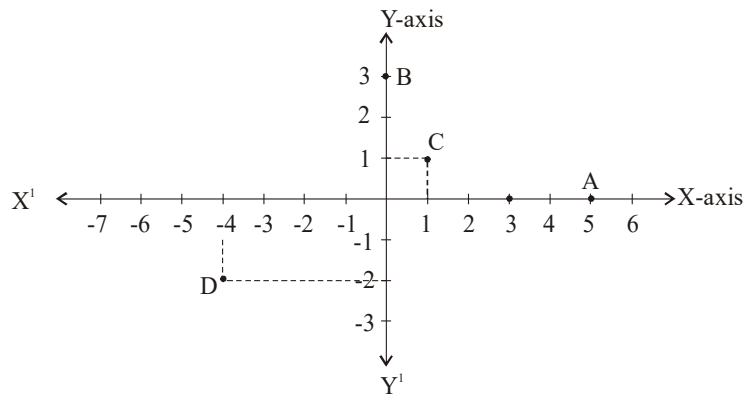
Reason: A point both of whose coordinates are negative lies in III quadrant

Q.11 : **Assertion:** The abscissa of a point (5, 2) is 5.

Reason: The perpendicular distance of a point from y-axis is called its abscissa.

Section B (Each 2 Marks)

Q.12 : Write the co-ordinates of A, B, C and D from the figure.



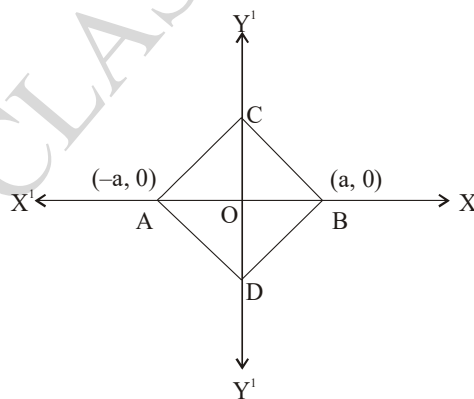
Q.13 : Name the quadrants in which the following points lie (-5, -4), (2, 4) (-7, 6) (2, -3).

OR

Plot the following points and write the name of the figure obtained by joining them in order : P (-3,2), Q(-7,-3), R(6,-3), S(2,2).

Section C (Each 3 Marks)

Q.14 : In figure $\triangle ABC$ and $\triangle ABD$ are equilateral triangles find co-ordinates of points C and D.



OR

A point lies on x-axis at a distance of 9 units from y-axis what are its co-ordinate. What will be its co-ordinate if it lies on y-axis at a distance of - 9 units to left of x-axis.

Q.15 : Without plotting the following points indicate the quadrant in which they will lie, if

- i) ordinate is 5 and abscissa is - 3
- ii) abscissa is - 5 and ordinate is - 3

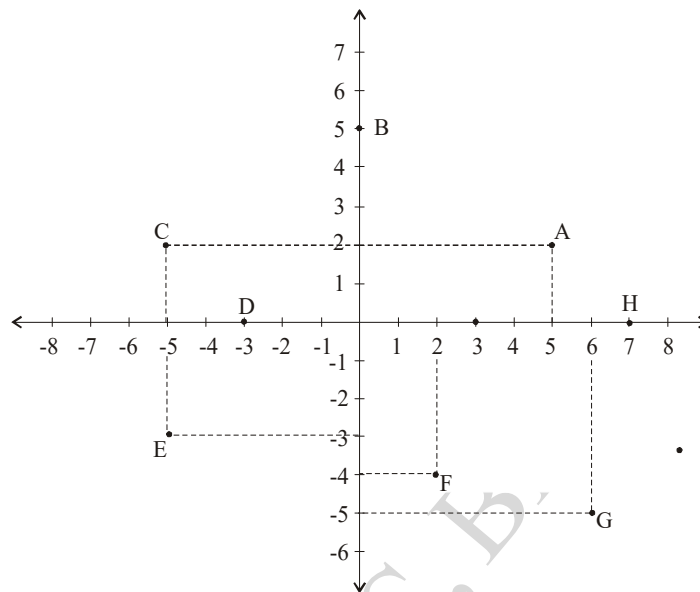
- iii) abscissa is 5 and ordinate is 3

Section D (5 M)

Q.16 : The following table gives the number of matchbox and their corresponding costs. Plot these as ordered pairs and Join them. What type of graph do you get?

No of matchbox	1	2	3	4	5
Price in ₹	1	2	3	4	5

OR



See figure and write the following.

- i) The co-ordinates of B ii) The co-ordinates of C
 iii) The abscissa of D iv) The ordinate of H
 v) Distance between A and C

Section E

Q.17 Case Study (Any four)

4

Four friends Ram, Raju, Ravi, Ritu are standing in reference to a well situated at the origin with the following respective coordinates $(2, 4)$ $(-2, 4)$ $(-2, -4)$ and $(2, -4)$

- i) By plotting this points on a single graph paper the figure obtained is a rectangle. Find the perimeter of the rectangle.
 a) 12 cm b) 24 cm c) 48 cm d) 8 cm
- ii) Find the distance between Ram and Raju.
 a) 2 cm b) 3 cm c) 4 cm d) 5 cm
- iii) Raju stands on which quadrant?
 a) I quadrant b) II quadrant c) III quadrant d) IV quadrant
- iv) Ordinate of $(2, -4)$
 a) -4 b) -2 c) 4 d) 2
- v) abscissa of $(-2, -4)$
 a) -2 b) -4 c) 2 d) none of thes

BECOME AN ACE IN JEE & NEET



SHIKSHA CLASSES
Believe & Achieve

JEE | NEET | Previsa (8-10)

📞 8625055707 | 8623085707 🌐 shikshaclasses.co.in

M-19, MHADA Colony, Khat Road, Bhandara



Learn with Jaiswal sir