

Self Assessment Test

By : www.udgamwelfarefoundation.com

Time : 1.5 Hours

Class : 9 Standard

COG0901

Maximum Marks : 50

Answers with Solutions

Section A

1. (C). Origin is $(0, 0)$.
2. (B). $x < 0, y > 0$ means 2nd quadrant.
3. (B). Abscissa = x -coordinate = 7.
4. (B). Ordinate = y -coordinate = 5.
5. (B). $(x, 0)$ lies on x -axis.
6. (B). In 4th quadrant $x > 0, y < 0$.
7. (A). $(0, 0)$ lies on both axes.
8. (B). $(-2, -3)$ is in third quadrant.

Section B

1. $A(2, 3)$ plotted in first quadrant.
2. Coordinates: $(2 + 5, -1) = (7, -1)$.
3. $(4, -5)$ lies in IV quadrant, $(-3, -2)$ lies in III quadrant.
4. If on y -axis then $x = 0$. But given $x = -7$ contradicts. Hence no such point exists.
5. $P(0, 2)$ lies on y -axis. $Q(-3, 0)$ lies on x -axis.
6. Distance = $\sqrt{0^2 + (-6)^2} = 6$ units.

Section C

1. Plotting points A, B, C, D forms a rectangle.
2. Points are $(4, 0)$ and $(-4, 0)$.
3. The figure is rectangle with length 2 and breadth 3. Perimeter $= 2(2 + 3) = 10$ units.
4. I Quadrant $(+, +)$, II Quadrant $(-, +)$, III Quadrant $(-, -)$, IV Quadrant $(+, -)$.
Diagram can be drawn with axes.

Section D

1. (A). Park $(4, 3)$ is in I quadrant.
2. (B). Hospital is $(-2, -3)$.
3. (A). Distance $= \sqrt{4^2 + 3^2} = 5$.
4. (D). None lies exactly on negative x -axis.
5. (B). Library $(-2, 3)$ and Hospital $(-2, -3)$ are symmetric about x -axis.