ONE MARK TEST

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GOVERNMENT HIGHER SECONDARY SCHOOL

KOLIYANUR - VILLUPURAM DISTRICT

ENGLISH MEDIUM

LESSON - 5

TEST-1



- A man walks near a wall, such that the distance between him and the wall is 10 units. Consider the wall to be the Y axis. The path travelled by the man is
 - (A) x = 10
- (B) y = 10
- (C) x = 0
- (D) y = 0
- The equation of a line passing through the origin and perpendicular to the line 7x - 3y + 4 = 0 is

 - (A) 7x 3y + 4 = 0 (B) 3x 7y + 4 = 0 (C) 3x + 7y = 0
- (D) 7x 3y = 0
- When proving that a quadrilateral is a trapezium, it is necessary to show
 - (A) Two sides are parallel.
- (B) Two parallel and two non-parallel sides.
- (C) Opposite sides are parallel.
- (D) All sides are of equal length.
- 4 The area of triangle formed by the points (-5,0), (0,-5) and (5,0) is
 - (A) 0 sq.units
- (B) 25 sq.units
- (C) 5 sq.units
- (D) none of these
- 5 If (5,7), (3,p) and (6,6) are collinear, then the value of p is
 - (A) 3
- (B)6
- (C) 9
- (D) 12
- 6 (2, 1) is the point of intersection of two lines.
 - (A) x y 3 = 0; 3x y 7 = 0
- **(B)** x + y = 3; 3x + y = 7
- (C) 3x + y = 3; x + y = 7
- (D) x + 3y 3 = 0; x y 7 = 0
- The point of intersection of 3x y = 4 and x + y = 8 is
 - (A)(5,3)
- (B) (2.4)
- (C)(3,5)
- (D) (4,4)

- If slope of the line PQ is $\frac{1}{\sqrt{3}}$ then slope of the perpendicular bisector of PQ is (A) $\sqrt{3}$ (B) $-\sqrt{3}$ (C) $\frac{1}{\sqrt{3}}$ (D) 0

- A straight line has equation 8y = 4x + 21. Which of the following is true
 - (A) The slope is 0.5 and the y intercept is 2.6
 - (B) The slope is 5 and the y intercept is 1.6
 - (C) The slope is 0.5 and the y intercept is 1.6
 - (D) The slope is 5 and the y intercept is 2.6
- The slope of the line joining (12,3), (4,a) is $\frac{1}{8}$. The value of 'a' is (A) 1 (B) 4 (C) -5 (D) 2