

3) $\lim_{x \rightarrow 0} (2x)$

- a) 1 b) 0 c) x d) 2

4) If $x^2 + y^2 = a$ then $r = \text{---}$?

- a) \sqrt{a} b) r c) x d) a

5) The roots of quadratic equation real and equal if $b^2 - 4ac = \text{---}$?

- a) 0 b) 1 c) 2 d) 4

6) Two row of determinant are same then value of determinant is ---

- a) 1 b) 2 c) 0 d) 3

7) $\frac{d}{dx} 12x^2$

- a) 24x b) 12x c) 12 d) 24

8) $\lim_{x \rightarrow 0} \frac{1}{\sin x} = \text{---}$.

- a) 0 b) 1 c) 2 d) x

9) The Simpson's rule can be apply only if the number of ordinate is ---.

- a) Even b) One c) Odd d) Rational

10) Limit of function if exist then it is ---

- a) Same b) Unique c) Different d) Even

11) $F(x) = \log x + \log y$ is -----type function.

- a) Logarithmic b) Algebraic c) Inverse d) Rational

12) The ordinate of the centre of circle $x^2 + y^2 = 16$ is ---.

- a) (1, 1) b) (0, 0) c) (2, 0) d) (1, 0)