

## Graphs of Functions

Sr	Questions	Answers Choice
1	The graph of which function has "U" shape.	A. Linear B. quadratic C. cubic D. reciprocal
2	The graph of $3^x$ represents.	A. growth B. decay C. a line D. Both a and b
3	The y - intercepts of $y = -2x - 1$ is	A. -2 B. 2 C. -1 D. 1
4	The graphs of which equation pass through the origin.	A. $y = 4x + 2$ B. $y = x^{2/2} + 1$ C. $y = 3x^{3/3}$ D. $xy = 8$
5	The graph of which equation is a straight line	A. $y = 2x$ B. $y = x^{2/2}$ C. $y = x^{1/1}$ D. $xy = 1$
6	In $y = ax^2 + bx + c$ if $a < 0$ then parabola opens.	A. Upward B. downward C. right ward D. Left ward
7	The graph of which function has "S" shapes	A. Linear B. quadratic C. Cubic D. Reciprocal
8	The graph of $y = -x^2 + 5$ opens	A. Upward B. downward C. Left side D. Right side
9	The graph of which function has at most two turning point.	A. Linear B. quadratic C. cubic D. biquadratic
10	The graph of $y = x^3$ , cuts the x-axis at	A. $x = 2$ B. $x = 0$ C. $x = 1$ D. $x = -1$
11	$y = -3x^3 + 7$ is.....function.	A. exponential B. cubic C. linear D. reciprocal
12	The graph of a quadratic function is always.	A. Straight line B. Curves line C. Parabola D. Hyperbola
13	A line that continually approaches a given curve but does not meet it at any finite distance is called.	A. Horizontal line B. Vertical line C. Tangent line D. Asymptotes
14	Slope of the line $y = 5x + 3$ is	A. 3-3 B. 5 C. -5
15	$x = 5$ represents.	A. x - axis B. y - axis C. Line to x -axis D. line ll to y -axis

16	Reciprocal function is.	A. $x = \sqrt{x}$ B. $y = \frac{2}{x}$ C. $y = 2x^2$ D. $y = 5x^3$
17	The graph of which equation is a parabola	A. $y = 2x$ B. $y = x^2$ C. $y = x^3$ D. $xy = 1$
18	$y = 5^x$ is.....function	A. Linear B. quadratic C. cubic D. exponential
19	The graph of $y = x^2 - 9$ opens	A. Upward B. downward C. left side D. right side