ECAT Mathematics Chapter 17 Functions and Limits Online Test

Sr	Questions	Answers Choice
1	sin h x = _____	
2	f(x) = ax + b will be an identity function if	A. a = 1 , b = 1 B. a = 1 , b = 0
3	f(x) = ax + b will be a constant function if	A. a = 1 , b = 1 B. a = 1 , b = 0
4	ln natural logarithm the base is	A. 1 B. 0 C. 10 D. e
5	ln common logarithm the base is	A. 1 B. 0 C. 10 D. e
6	f(x) = 1 is	A. identity function B. constant function C. linear function D. quadratic function
7	f(x) = x is	A. trigonometric function B. exponential function C. quadratic function D. identify function
8	Question Image	A. quadratic function B. constant function C. trigonometric function D. linear function
9	Question Image	A. quadratic function B. constant function C. linear function D. exponential function
10	f(x) = C is	A. identity function B. constant function C. linear function D. quadratic function
11	$f(x) = 2^x + 3 . 2^{2x} + 5$ is	A. trigonometric function B. algebraic function C. exponential function D. logarithmic function
12	f(x) = log x + 3 is a	A. trigonometric function B. algebraic function C. exponential function D. logarithmic function
13	$f(x) = \sin x + \cos^2 x$ is	A. trigonometric function B. algebraic function C. exponential function D. logarithmic function
14	$f(x) = 2x^2 + 3x + 5$ is a	A. trigonometric function B. algebraic function C. exponential function D. logarithmic function
15	If y=f(x) is a function then y is called	A. dependent variable B. independent variable C. constant D. none of these
16	If y=f(x) is a function then x is called	A. dependent variable B. independent variable C. constant D. none of these
		A. z²

17	If f(x) = x + 1 then f(z^2-1) is	B. z²+ 2 C. z²- 2 D. none of these
18	Question Image	A. 0 B. 1 C. 2 D. 1/2
19	Question Image	A. 0 B. 1 C. 2
20	Question Image	A. 0 B. 1 C. 1/2
21	If f(x) = tan x then f(0) is	A. 0 B. 1 C. 1/2
22	Question Image	A. 0 B. 1 C. 1/2
23	If f(x) = cos x then f(0) is	A. 0 B. 1 C. 1/2
24	If f(x) = x^3- $2x^2$+ 4x -1 then f(2) is	A. 7 B. -16 C. 16 D. -9
25	Question Image	A. -1 B. 1 C. 2 D. -2
26	If f(x) = x^3- $2x^2$+ 4x -1 then f(0) is	A. 0 B. 1 C. -1 D. none of these
27	Question Image	A. 0 B. 3 C. 9 D. -3
28	Question Image	A. 2 B. -1 C. 8 D. not defined
29	Question Image	A. 0 B. -4 D. none of these
30	Question Image	A. 2 D. 0