

ECAT (Pre-Eng) Mathematics Chapter 17 Functions and Limits

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	
3	Question Image	A. 0 B. 1 C. 2
4	Question Image	A. 0 B. 1 D. none of these
5	Question Image	A. 3/4 B. r C. v D. None of these
6	The function f(x) = x is a/anfunction	A. Even B. Odd C. Both even as well as odd D. Neither even nor odd
7	If f (x) is defined and continuous then f (x) is always	A. Rational function B. Trigonometric function C. Logarithmic function D. All are correct
8	The range of function f(x)=-x2+2x-1 is	A. R B. (-∞,0] C. (-∞,1] D. [0,∞)
9	Question Image	
10	Question Image	A. images B. pre-images C. constants D. none of these
11	A function from X to Y is written as	B. f : X to Y D. f : Y to Y
12	Question Image	A. sin h x B. cos h x C. tan h x D. cot h x
13	$f(x) = 3x/x^2 + 1$ is:	A. an even function B. an odd function C. an even and implicit function D. neither even nor a odd
14	If f (x) = 2x+1 then fof (x) =;	A. 4x+3 B. 2x+3 C. 4x+1 D. None of these
15	The behavior of trigonometric function is called	A. Continuity B. Discontinuity C. Periodicity D. Smoothness
16	A function in which the variable appears as exponent is called:	A. An identity function B. A logarithmic function C. an exponential function D. A rational function
17	If $f(x) = x^2 - x$ then $f(-2)$ is	A. 4 B. 6 C. 2 D. 0
18	Domain of cosh x is	A. R B. R -{0}

		∪. [1,∞) D. [0,∞)
19	Question Image	A1 B. 1 C. 2 D2
20	$\cos h^2 x + \sin h^2 x$	A. an even function B. an odd function C. an even and implicit function D. neither even nor a odd