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

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. 2 B. 6
3	Question Image	
4	_____ invented a symbolic way to write the statement "y is a function of x" as y= f(x)	A. Leibniz B. Newton C. Euler D. None of these
5	In common logarithm the base is	A. 1 B. 0 C. 10 D. e
6	Which is not included in the domain of $\cos^{-1}x$	A. 0 B. 1 C. -1 D. 2
7	if the value of the sphere, v =4/3πr^{2,} then the which of the following statement is true?	A. r is the function of v B. v is the function ofπ C. π is independent variable D. None of these
8	f(x) = C is	A. identity function B. constant function C. linear function D. quadratic function
9	f(x) = x3-x/x2+1 is :	A. an even function B. an odd function C. an even and implicit function D. neither even nor a odd
10	The domain of the function x/x^2 -4 is given by	A. R B. R + 2 C. [R - (<u>+</u>2) D. R-4
11	The domain of y =√(x^2-9) is	A. R B. (0 , +∞) C. (-∞ , -3) U (3 , +∞) D. (0 ,∞)
12	Question Image	A. sin h x B. cos h x C. tan h x D. cot h x
13	Question Image	
14	Domain of y = scs x is	A. All real numbers except π/2 + n*π B. R C. All negative integers D. None of these
15	f(x) = 2^x+ 3 . 2^{2x}+ 5 is	A. trigonometric function B. algebraic function C. exponential function D. logarithmic function
16	Question Image	
17	$\pi$is the period of the function	A. |sin x| + |sin x| B. sin⁴x + cos x C. sin (sin x) + sin (cos x) D. None of these
18	Question Image	A. sin h x B. cos h x C. sec h x

		D. cosec h x
19	Question Image	A. f(x) = x² B. f(x²) = x C. f(x) = x D. none of these
20	In the function f: A□B, the elements of a are called	A. Images B. Pre-images C. ranges D. Parameters