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

Sr	Questions	Answers Choice
1	If $f(x) = x^2 - x$ then $f(2)$ is	A. 4 B. 6 **C. 2** D. 0
2	if the value of the sphere, $v = 4/3\pi r^2$, then the which of the following statement is true?	A. r is the function of v B. v is the function of π C. π is independent variable **D. None of these**
3	$f(x) = 2^x + 3 \cdot 2^{2x} + 5$ is	A. trigonometric function B. algebraic function **C. exponential function** D. logarithmic function
4	In common logarithm the base is	A. 1 B. 0 **C. 10** D. e
5	sec h x = _____	
6	Question Image	A. sin h x **B. cos h x** C. tan h x D. cot h x
7	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
8	Question Image	A. 3/4 **B. r** C. v D. None of these
9	Question Image	A. 0 **B. 1** C. 1/2
10	Question Image	
11	The function discontinuous at x = 0 is (1) tan x (II) cot x (III) sec x (iv)cosec x)	A. I & III B. I & IV **C. II & IV** D. II & III
12	sin h x = _____	
13	Question Image	
14	Question Image	
15	$f(x) = \sin x$ is:	**A. an odd function** B. an even function C. an implicit function D. an exponential function
16	Question Image	A. -1 B. 1 **C. 2** D. -2
17	Which of the following function form 1 to itself are bi-jective	**A. F(x) = x + 3** B. F(x) = x^5 C. F(x) = 3x + 2 D. F(x) = x^2 + x
18	The domain and range of a trigonometric function can be allocate by their	**A. graph** B. Continuity C. Discontinuity D. Periods

19	Question Image	A. sin h x
		B. cos h x
		C. sec h x
		D. cosec h x

| 20 | Question Image |