ECAT Mathematics Chapter 17 Functions and Limits

Sr	Questions	Answers Choice
1	Question Image	A. sin h x B. cos h x C. sec h x D. cosec h x
2	Question Image	A. 2 C. -2 D. none of these
3	Question Image	A. image B. pre-image C. constant D. none of these
4	Question Image	
5	Question Image	A. 2 B. 6
6	If y=f(x) is a function then x is called	A. dependent variable B. independent variable C. constant D. none of these
7	The area of circle of unit radius =	A. 0 B. 1 C. 4 D. π
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	
11	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
12	A function from X to Y is written as	B. f : X to Y D. f : Y to Y
13	f(x) = sin x is:	A. an odd function B. an even function C. an implicit function D. an exponential function
14	Question Image	
15	If f(x) = tan x then f(0) is	A. 0 B. 1 C. 1/2
16	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
17	The range of inequality x + 2 > 4 is	A. (-1, 2) B. (-2, 2) C. (1,∞)

		D. None
18	Question Image	
19	If f(x) = cos x then f(0) is	A. 0 B. 1 C. 1/2
20	Question Image	