ECAT Pre General Science Mathematics Chapter 13 Trigonometric Functions & Their Graphs Online Test

Sr	Questions	Answers Choice
1	Period of Sine and Cosine function is	A. π B. 2π C. -π D. -2π
2	Range of cosec$\theta$is	A. W - {y | -1 < y < 1} B. R - {y | -1 < y < 1} C. O - {y | -1 < y < 1} D. R
3	Range of sec$\theta$is	A. Z - {x | -1 < x < 1} B. W - {x | -1 < x < 1} C. R - {x | -1 < x < 1} D. R
4	Domain of cosec$\theta$is	
5	Domain of sec$\theta$is	
6	Range of cot$\theta$is	A. (+∞to -∞) B. (-1 to +1) C. (-5 to +5) D. Set of even numbers only
7	Range of tan$\theta$is	A. Set of complex numbers B. Set of real numbers C. Set of odd numbers D. Set of positive integers only
8	Domain of cot$\theta$is	
9	Range of cos$\theta$is	
10	Range of sin$\theta$is	
11	Domain of cos$\theta$is	A. Set of odd numbers B. Set of integers C. Set of real numbers D. Set of complex numbers

12	Domain of $\sin\theta$ is	A. Set of real numbers B. Set of complex numbers C. Set of natural numbers D. Set of even numbers
13	A function f(x) is said to be the periodic function if for all x in the domain of f, there exists a smallest positive number p such the f(x + p) = _____	A. f(p) B. f(x) C. f(o) D. None of these
14	Range of 3 cot x is _____	A. [-1, 1] B. [-3, 3] C. R D. None of these
15	Range of 3 sin x is _____	A. [-3, 3] B. [-1, 1] C. R D. None of these
16	Range of 2 tan x is _____	A. [-2, 2] B. -1 < x < 1 C. R D. None of these
17	Domain of 2 cos x is _____	A. [-2, 2] B. R C. Negative real numbers D. None of these
18	Domain of 3 sin x is _____	A. [-3, 3] B. R C. Positive real numbers D. None of these
19	Question Image	
20	Period of 2 cos x is _____	
21	Period of 3 sin x is _____	
22	Question Image	
23	Question Image	
24	Question Image	
25	Period of tan 4x is _____	
26	Period of cos 2x is _____	
27	Period of sin 3x is _____	
28	Period of cot x is _____	
29	Period of sec x is _____	
30	Period of cosec x is _____	