ECAT (Pre-Eng) Mathematics Chapter 13 Trigonometric Functions & Their Graphs

Sr	Questions	Answers Choice
1	The period of tan x/7 is	A. 3π B. 7π C. 15π D. 5π
2	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
3	The period of 3 sin x is	A. 2π B. 9π C. 3π D. 5π
4	Tangent is a periodic function and its period is _____	A. 2π B. 3π C. π D. 4π
5	Question Image	
6	Range of 2 tan x is _____	A. [-2, 2] B. -1 < x < 1 C. R D. None of these
7	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
8	What is the period of cos 6x =?	A. π/2 B. π/3 C. π/4 D. π
9	Domain of cot x is _____	
10	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
11	What is the period of 6 sin x=?	A. π B. -π C. π/2 D. 2π
12	graph of sine function is bounded between lines	A. y± 1 = 0 B. x± 1 = 0 C. x± y - 0 D. None of these

13	Period of cosec x is _____	
14	The period of|sin 2x| is	A. π/2 B. -π/2 C. π D. π/3
15	Period of tan x is _____	
16	Period of Sine and Cosine function is	A. π B. 2π C. -π D. -2π
17	The range of the tangent function is	A. all real numbers B. -1 ≤ x ≥ 1 C. natural number D. z⁺
18	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
19	The function sine and Cosine have the closed internal as their range	A. [1, 0] B. [-1, 1] C. [0, 1] D. [-1, 2]
20	The period of the trigonometric function y = sin x cos x is	A. 2π B. π C. 4π D. π / 2