ECAT Mathematics Chapter 13 Trigonometric Functions and their Graphs

Sr	Questions	Answers Choice
1	Range of cosec x is _____	A. {-1, 1} B. R C. Negative real numbers D. R - { x | - 1 < x < 1}
2	Range of sec x is _____	A. [-1, 1] B. R C. Negative real numbers D. R = {x | -1 < x < 1}
3	Range of sin$\theta$is	
4	Period of sin 3x is _____	
5	What is the period of tan 4/3 x =?	A. π/4 B. 4π/3 C. 7π/4 D. 3π/4
6	The number of x-intercepts of y= sin x in his period	A. 0 B. 1 C. 2 D. 3
7	The period of 3 sin x is	A. 2π B. 9π C. 3π D. 5π
8	Domain of cot x is _____	
9	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
10	The period of sin x/2 = Cos x/3 is	A. 2p B. 12p C. 13p D. 7p
11	Sine is a periodic function and its period is _____	A. π B. s C. 2π D. 4π
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	The period of|sin⁡2x| is	A. π/2 B. -π/2 C. π D. π/3
14	The range of the tangent function is	A. all real numbers B. -1 ≤ x ≥ 1 C. natural number D. z⁺

15	Domain of cos$\theta$is	A. Set of odd numbers B. Set of integers C. Set of real numbers D. Set of complex numbers
16	The range of y = sin x is _____	A. [1, -1] B. [-1, 1] C. [0, -1] D. [-∞+∞]
17	The function sine and Cosine have the closed internal as their range	A. [1, 0] B. [-1, 1] C. [0, 1] D. [-1, 2]
18	Period of cot x is _____	
19	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
20	Domain of 3 sin x is _____	A. [-3, 3] B. R C. Positive real numbers D. None of these