ECAT Mathematics Chapter 13 Trigonometric Functions and their Graphs

Sr	Questions	Answers Choice
1	tan (π-θ) = _____	A. - sinθ B. - tanθ C. - cosθ D. - cotθ
2	Range of 2 tan x is _____	A. [-2, 2] B. -1 < x < 1 C. R D. None of these
3	Range of tan x is _____	A. [-1, -] B. R C. Negative real numbers D. R - {x | - 1 < x < 1}
4	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
5	Domain of sec x is _____	
6	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
7	The number of x-intercepts of y= sin x in his period	A. 0 B. 1 C. 2 D. 3
8	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
9	The period of|sin2x| is	A. π/2 B. -π/2 C. π D. π/3
10	The period of 3 sin x is	A. 2π B. 9π C. 3π D. 5π
11	What is the period of cos 6x =?	A. π/2 B. π/3 C. π/4 D. π
12	The range of y = sin x is	A. [1, -1] B. [-1, 1] C. [0, -1] D. [-<span style="font-family: "Times New Roman"; font-size: 24px; color: rgb(34, 34, 34); text-align: center; background-color:

	_____	rgb(255, 255, 248);">∞ +∞]
13	What is the period of tan 4/3 x =?	A. π/4 B. 4π/3 C. 7π/4 D. 3π/4
14	2π is the period of	A. sin□ B. tan□ C. cot□ D. all circular function
15	Range of sec x is _____	A. [-1, 1] B. R C. Negative real numbers D. R = {x | -1 < x < 1}
16	Range of cos x is _____	A. [-1, 1] B. R C. Negative real numbers D. R - { x | - 1 < x < 1}
17	The period of tan [x/3] is _____	A. 2π B. 4π C. 3π D. 5π
18	Range of sin$\theta$is	
19	Domain of tangent function is	
20	The period of 2 cos x is	A. 30π B. 7π C. 5π D. 2π