ECAT Mathematics Chapter 13 Trigonometric Functions & Their Graphs

Sr	Questions	Answers Choice
1	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
2	Domain of sec x is _____	
3	Period of Sine and Cosine function is	A. π B. 2π C. -π D. -2π
4	Domain of cot x is _____	
5	Range of sec x is _____	A. [-1, 1] B. R C. Negative real numbers D. R = {x | -1 < x < 1}
6	What is the period of sin 2x/3 cos 4x=?	A. π B. 2π C. π/2 D. π/3
7	Period of cosec x is _____	
8	The period of tan [x/3] is _____	A. 2π B. 4π C. 3π D. 5π
		A. - sinθ B. - tan<span style="color: rgb(34,

9	tan (π-θ) = _____	34, 34); font-family: "Times New Roman"; font-size: 24px; text-align: center; background-color: rgb(255, 255, 224);">θ C. - cosθ D. - cotθ
10	2π is the period of	A. sin□ B. tan□ C. cot□ D. all circular function
11	The period of sin x/2 = Cos x/3 is	A. 2p B. 12p C. 13p D. 7p
12	Range of sin x is _____	A. [-1, 1] B. R C. Negative real numbers D. None of these
13	The period of 2 cos x is	A. 30π B. 7π C. 5π D. 2π
14	Period of sin 3x is _____	
15	Period of tan 4x is _____	
16	Domain of 3 sin x is _____	A. [-3, 3] B. R C. Positive real numbers D. None of these
17	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
18	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
19	Domain of cosec x is _____	
20	Period of cos 2x is _____	