ECAT Mathematics Chapter 13 Trigonometric Functions & Their Graphs

Sr	Questions	Answers Choice
1	Sine is a periodic function and its period is _____	A. π B. s C. 2π D. 4π
2	tan (π-θ) = _____	A. - sinθ B. - tanθ C. - cosθ D. - cotθ
3	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
4	Period of sin x is	
5	Domain of tan x is _____	
6	Domain of sin x is _____	
7	Range of 2 tan x is _____	A. [-2, 2] B. -1 < x < 1 C. R D. None of these
8	The period of cos(7x-5) is	A. π/7 B. 7π/2 C. π/2 D. 2π/7
9	Period of sin 3x is _____	
10	What is the period of tan 4/3 x =?	A. π/4 B. 4π/3 C. 7π/4 D. 3π/4
11	The period of|sin2x| is	A. π/2 B. -π/2 C. π D. π/3
		A. [-2, 2]

12	Domain of 2 cos x is _____	B. R C. Negative real numbers D. None of these
13	Domain of cot x is _____	
14	Domain of cot$\theta$is	
15	What is the period of 6 sin x=?	A. π B. -π C. π/2 D. 2π
16	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
17	The range of the tangent function is	A. all real numbers B. -1 ≤ x ≥ 1 C. natural number D. z⁺
18	Domain of 3 sin x is _____	A. [-3, 3] B. R C. Positive real numbers D. None of these
19	Domain of cosec$\theta$is	
20	Period of Tangent function is	A. 0° B. -π C. π D. 2π