ECAT Mathematics Chapter 13 Trigonometric Functions and their Graphs Online Test

Sr	Questions	Answers Choice
1	The period of cot 8x is	A. π/10 B. 9π/7 C. π/9 D. π/8
2	The period of sin x/2 = Cos x/3 is	A. 2p B. 12p C. 13p D. 7p
3	What is the period of sin 2x/3 cos 4x=?	A. π B. 2π C. π/2 D. π/3
4	What is the period of tan 4/3 x =?	A. π/4 B. 4π/3 C. 7π/4 D. 3π/4
5	What is the period of cos 6x =?	A. π/2 B. π/3 C. π/4 D. π
6	What is the period of 6 sin x=?	A. π B. -π C. π/2 D. 2π
7	What is the period of 5 cot x=?	A. π B. -π C. π/2 D. 2π
8	The period of the function csc x/4 us	A. 4x B. π/4 C. 8π D. π/8
9	The range of the tangent function is	A. all real numbers B. -1 ≤ x ≥ 1 C. natural number D. z⁺
10	2π is the period of	A. sin□ B. tan□ C. cot□ D. all circular function
11	Tangent is .....function	A. Inverse B. one-one C. in-to D. Periodic
12	The period of 3 sin x is	A. 2π B. 9π C. 3π D. 5π
13	The period of cos(7x-5) is	A. π/7 B. 7π/2 C. π/2 D. 2π/7
14	The period of|sin□2x| is	A. π/2 B. -π/2 C. π D. π/3
15	The period of|sin□2x| is	A. π/2 B. -π/2 C. π D. π/3

16	The period of 2 cos x is	A. 30π B. 7π C. 5π D. 2π
17	The period of tan x/7 is	A. 3π B. 7π C. 15π D. 5π
18	Sine is a periodic function and its period is _____	A. π B. s C. 2π D. 4π
19	Tangent is a periodic function and its period is _____	A. 2π B. 3π C. π D. 4π
20	The period of tan [x/3] is _____	A. 2π B. 4π C. 3π D. 5π
21	The period of cosec 10x is _____	
		A. - sinθ B. - tan<span style="color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 24px; text-align: center; background-color:

22	tan (π-θ) = _____	rgb(255, 255, 224);">θ C. - cosθ D. - cotθ
23	The Domain of y = sin x is _____	A. Set of real numbers B. Rational C. Irrational no. D. None of above
24	The range of y = sin x is _____	A. [1, -1] B. [-1, 1] C. [0, -1] D. [-∞ +∞]
25	Domain of y = cot x = _____	
26	The range of y = cot x = _____	A. -∞ > y > +∞ B. -∞ > x > +∞ C. -∞ < y < +∞ D. None of above
27	Domain of tangent function is	
28	The function sine and Cosine have the closed internal as their range	A. [1, 0] B. [-1, 1] C. [0, 1] D. [-1, 2]
29	Period of Cotangent function is	A. π B. -π C. 0 D. -2π
		A. 0° B. -<span style="color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 24px; text-

30	Period of Tangent function is	Roman"; font-size: 24px; text-align: center; background-color: rgb(255, 255, 248);">π C. π D. 2π