

ECAT Mathematics Chapter 13 Trigonometric Functions and their Graphs Online Test

Sr	Questions	Answers Choice
1	What is the period of $\tan \frac{4}{3} x = ?$	A. $\pi/4$ B. $4\pi/3$ C. $7\pi/4$ D. $3\pi/4$
2	Period of $\sec x$ is _____	
3	Domain of $\tan x$ is _____	
4	What is the period of $6 \sin x = ?$	A. π B. $-\pi$ C. $\pi/2$ D. 2π
5	Range of $\operatorname{cosec} \theta$ is	A. $W - \{y \mid -1 \leq y \leq 1\}$ B. $R - \{y \mid -1 \leq y \leq 1\}$ C. $O - \{y \mid -1 \leq y \leq 1\}$ D. R
6	Range of $3 \cot x$ is _____	A. $[-1, 1]$ B. $[-3, 3]$ C. R D. None of these
7	Domain of $2 \cos x$ is _____	A. $[-2, 2]$ B. R C. Negative real numbers D. None of these
8	2π is the period of	A. $\sin x$ B. $\tan x$ C. $\cot x$ D. all circular function
9	Range of $\sec \theta$ is	A. $Z - \{x \mid -1 \leq x \leq 1\}$ B. $W - \{x \mid -1 \leq x \leq 1\}$ C. $R - \{x \mid -1 \leq x \leq 1\}$ D. R
10	Domain of tangent function is	
11	Domain of $y = \cot x =$ _____	
12	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
13	The range of $y = \cot x =$ _____	A. $-\infty < y < \infty$ B. $-\infty < x < \infty$ C. $-\infty < y < \infty$ D. $-\infty < x < \infty$

34); text-align: center; background-color: rgb(255, 255, 248);"><i>∞ < /i>y < +<i>∞</i>
D. None of above

14	The Domain of $y = \sin x$ is _____	A. Set of real numbers B. Rational C. Irrational no. D. None of above
15	Period of $\cos x$ is _____	
16	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
17	Domain of $\sec \theta$ is	
18	The period of $2 \cos x$ is	A. 30π B. 7π C. 5π D. 2π
19	Tangent isfunction	A. Inverse B. one-one C. in-to D. Periodic
20	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