

ECAT (Pre-Eng) Mathematics Chapter 13 Trigonometric Functions & Their Graphs

Sr	Questions	Answers Choice
1	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
2	The period of $\tan x/7$ is	A. 3π B. 7π C. 15π D. 5π
3	Period of $\tan 4x$ is _____	
4	Domain of $\operatorname{cosec}\theta$ is	
5	Period of Cotangent function is	A. π B. $-\pi$ C. 0 D. -2π
6	The range of $y = \sin x$ is _____	A. [1, -1] B. [-1, 1] C. [0, -1] D. [- ∞ , -1]
7	Range of $\cot\theta$ is	A. [∞ , ∞] B. (-1 to +1) C. (-5 to +5) D. Set of even numbers only
8	The period of the function $\csc x/4$ is	A. 4x B. $\pi/4$ C. 8π D. $\pi/8$
9	Period of $\sec x$ is _____	
10	Domain of $3 \sin x$ is _____	A. [-3, 3] B. R C. Positive real numbers D. None of these
11	Range of $2 \tan x$ is _____	A. [-2, 2] B. $-1 \leq x \leq 1$ C. R D. None of these
12	Question Image <input style="width: 100%; height: 15px;" type="text"/>	
13	Range of $\operatorname{cosec} x$ is _____	A. {-1, 1} B. R C. Negative real numbers D. $R - \{x \mid -1 \leq x \leq 1\}$
14	Period of $\cos 2x$ is _____	

15	The period of $ \sin 2x $ is	A. $\pi/2$ B. $-\pi/2$ C. π D. $\pi/3$
16	Domain of $\tan x$ is _____	
17	What is the period of $6 \sin x = ?$	A. π B. $-\pi$ C. $\pi/2$ D. 2π
18	Period of Sine and Cosine function is	A. π B. 2π C. $\pi/2$ D. 2π
19	Domain of $\sec \theta$ is	
20	The period of $\cos(7x-5)$ is	A. $\pi/7$ B. $7\pi/2$ C. $\pi/2$ D. $2\pi/7$