

Mathematics ECAT Pre Engineering Online Test

Sr	Questions	Answers Choice
1	Period of $\tan 4x$ is _____	
2	Period of $\cos 2x$ is _____	
3	Period of $\sin 3x$ is _____	
4	Period of $\cot x$ is _____	
5	Period of $\sec x$ is _____	
6	Period of $\operatorname{cosec} x$ is _____	
7	Period of $\tan x$ is _____	
8	Period of $\cos x$ is _____	
9	Period of $\sin x$ is _____	
10	Range of $\cot x$ is _____	A. $[-1, 1]$ B. $\mathbb{R}$ C. Negative real numbers D. $\mathbb{R} - \{x \mid -1 \leq x \leq 1\}$
11	Range of $\tan x$ is _____	A. $[-1, -]$ B. $\mathbb{R}$ C. Negative real numbers D. $\mathbb{R} - \{x \mid -1 \leq x \leq 1\}$
12	Range of $\sec x$ is _____	A. $[-1, 1]$ B. $\mathbb{R}$ C. Negative real numbers D. $\mathbb{R} = \{x \mid -1 \leq x \leq 1\}$
13	Range of $\cos x$ is _____	A. $[-1, 1]$ B. $\mathbb{R}$ C. Negative real numbers D. $\mathbb{R} - \{x \mid -1 \leq x \leq 1\}$
14	Range of $\operatorname{cosec} x$ is _____	A. $\{-1, 1\}$ B. $\mathbb{R}$ C. Negative real numbers D. $\mathbb{R} - \{x \mid -1 \leq x \leq 1\}$
15	Range of $\sin x$ is _____	A. $[-1, 1]$ B. $\mathbb{R}$ C. Negative real numbers D. None of these
16	Domain of $\cot x$ is _____	
17	Domain of $\tan x$ is _____	
18	Domain of $\sec x$ is _____	
19	Domain of $\cos x$ is _____	
20	Domain of $\operatorname{cosec} x$ is _____	
21	Domain of $\sin x$ is _____	
22	Question Image	A. trigonometric equation B. conditional equation C. identity D. None
23	Question Image	
24	Question Image	D. both a & c
25	Question Image	
26	Question Image	

27	Question Image	
28	Question Image	D. all
29	General solution of $1 + \cos x = 0$ is	
30	The solution set of trigonometric equation contains	A. one element B. two elements C. three elements D. Infinite elements