

ECAT Pre Engineering Entry Test

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

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