

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

| Sr | Questions | Answers Choice |
|----|---|---|
| 1 | Period of $\tan x$ is _____ | |
| 2 | Question Image <input style="width: 600px; height: 20px;" type="text"/> | |
| 3 | Range of $\sin x$ is _____ | <p>A. [-1, 1] B. R C. Negative real numbers D. None of these</p> |
| 4 | Tangent is a periodic function and its period is _____ | <p>A. 2π B. 3π C. π D. 4π</p> |
| 5 | The period of $ \sin 2x $ is | <p>A. $\pi/2$ B. $-\pi/2$ C. π D. $\pi/3$</p> |
| 6 | The period of $\tan x/7$ is | <p>A. 3π B. 7π C. 15π D. 5π</p> |
| 7 | Period of Tangent function is | <p>A. 0° B. $-\pi$ C. π D. 2π</p> |
| 8 | Range of $\tan \theta$ is | <p>A. Set of complex numbers B. Set of real numbers C. Set of odd numbers D. Set of positive integers only</p> |
| 9 | Period of Cotangent function is | <p>A. π B. $-\pi$ C. 0 D. -2π</p> |
| | | <p>A. $4x$ - ..</p> |

| | | |
|----|--|--|
| 10 | The period of the function $\csc x/4$ is | B. $\pi/4$ C. 8π D. $\pi/8$ |
| 11 | The function sine and Cosine have the closed interval as their range | A. $[1, 0]$ B. $[-1, 1]$ C. $[0, 1]$ D. $[-1, 2]$ |
| 12 | Period of Sine and Cosine function is | A. π B. 2π C. π D. 2π |
| 13 | Domain of $\sec \theta$ is | |
| 14 | Period of $\sin 3x$ is _____ | |
| 15 | Range of $\operatorname{cosec} x$ is _____ | A. $\{-1, 1\}$ B. \mathbb{R} C. Negative real numbers D. $\mathbb{R} - \{x \mid -1 \leq x \leq 1\}$ |
| 16 | Period of $\cot x$ is _____ | |
| 17 | The period of $3 \sin x$ is | A. 2π B. 9π C. 3π D. 5π |
| 18 | Sine is a periodic function and its period is _____ | A. π B. s C. 2π D. π |
| 19 | The period of $2 \cos x$ is | A. 30π B. 7π C. 5π D. 2π |
| 20 | Range of $\sin \theta$ is | |