

ECAT Mathematics Chapter 16 Solution of Trigonometric Functions

Sr	Questions	Answers Choice
1	Question Image	A. 30° B. 45° C. 60° D. 75°
2	The solution of the equation $3 \tan^2 x = 1$ is _____	D. none of these
3	General solution of $\tan 5\theta = \cot 2\theta$ is	
4	One root of the equation $\cos x - x + 1/2 = 0$ lies in the interval	
5	The general solution of $\tan 3x = 1$ is	
6	Question Image	D. none of these
7	Question Image	A. No solution B. One real solution C. More than one real solution D. None of these
8	The solution set of the equation $1 + \cos x = 0$ is _____	D. none of these
9	The number of points of intersection of two curves $y = 2 \sin x$ and $y = 5x^2 + 2x + 3$ is	A. 0 B. 1 C. 2 D. None of these
10	The solution set of the equation $4 \cos^2 x - 3 = 0$ is	D. none of these
11	If $\sin(\pi \cos \theta) = \cos(\pi \sin \theta)$, then which of the following is correct?	
12	General solution of $1 + \cos x = 0$ is	
13	By expressing $\sin 125^\circ$ in terms of trigonometrical ratios, answer will be	A. $\sin 65^\circ = 0.9128$ B. $\sin 55^\circ = 0.8192$ C. $\sin 70^\circ = 0.5384$ D. $\sin 72^\circ = 0.1982$
14	Question Image	D. none of these
15	The solution set of $\sin x + \cos x = 0$ is	
16	Question Image	
17	Question Image	
18	If $\sin 6\theta + \sin 4\theta + \sin 2\theta$, then $\theta =$	
19	If $\sin A = \sin B$, $\cos A = \cos B$, then the value of A in terms of B is	
20	In a triangle ABC, if angle A = 72° , angle B = 48° and c = 9 cm then \hat{C} is	A. 69° B. 66° C. 60° D. 63°