

ECAT (Pre-Eng) Mathematics Chapter 16 Solution of Trigonometric Equations

Sr	Questions	Answers Choice
1	The smallest positive root of the equation $\tan x - x = 0$ lies on	
2	Question Image <input type="text"/>	A. trigonometric equation B. conditional equation C. identity D. None
3	Question Image <input type="text"/>	D. none of these
4	The solution set of $\sin x + \cos x = 0$ is	
5	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°
6	Question Image <input type="text"/>	A. A finite non-empty set B. Null set C. Both a and b D. None of these
7	Question Image <input type="text"/>	A. 7 B. 5 C. 6 D. None of these
8	Question Image <input type="text"/>	D. none of these
9	The solution set of the equation $1 + \cos x = 0$ is _____	D. none of these
10	The solution of the equation $\cos^2\theta + \sin\theta + 1 = 0$ lies in the interval	
11	Question Image <input type="text"/>	
12	Question Image <input type="text"/>	
13	Question Image <input type="text"/>	D. both a & c
14	Question Image <input type="text"/>	A. 1 B. 2 C. 3 D. None of these
15	The solution set of the equation $4 \cos^2 x - 3 = 0$ is	D. none of these
16	$\cot\theta = \sin 2\theta$ if $\theta =$	
17	Question Image <input type="text"/>	D. all
18	If $4 \sin^2\theta = 1$, then values of θ are	
19	If $\sin 6\theta + \sin 4\theta + \sin 2\theta$, then $\theta =$	
20	General solution of $\tan 5\theta = \cot 2\theta$ is	