ECAT Mathematics Chapter 16 Solution of Trigonometric Functions

Sr	Questions	Answers Choice
1	Question Image	
2	The solution set of the equation 4 $\cos^2 x$ - 3 + 0 is	D. none of these
3	Question Image	A. A finite non-empty set B. Null set C. Both a and b D. None of these
4	For Cosine Rule of any triangle ABC, b^2 is equal to	A. a² - c² + 2ab cos A B. a³ + c³ - 3ab cos A C. a² + c² - 2ac cos B D. a² - c² 4bc cos A
5	The general solution of tan 3x = 1 is	
6	Question Image	
7	One root of the equation cos x - x + 1/2 = 0 lies in the interval	
8	If Sin A = sin B, cos A = cos B, then the value of A in terms of B is	
9	The number of values of x in the interval [0, 5π] satisfying the equation 3 $\sin^2 x$ - 7 sinx + 2 = 0 is	A. 0 B. 5 C. 6 D. 10
10	Question Image	A. No solution B. One real solution C. More than one real solution D. None of these
11	The solution set of the equation 1 + Cos x = 0 is _____	D. none of these
12	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°
13	Question Image	
14	Question Image	D. none of these

15	General solution of tan 5θ= cot $2\theta$is	
16	General solution of 1 + cos x = 0 is	
17	Question Image	D. both a & c
18	Question Image	
19	cotθ= sin 2θifθ=	
20	Question Image	