ECAT Mathematics Chapter 16 Solution of Trigonometric Functions

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	D. both a & c
3	In a triangle ABC, if angle A = 72° , angle B = 48° and c = 9 cm then Ĉ is	A. 69° B. 66° C. 60° D. 63°
4	The smallest positive root of the equation tan x - x = 0 lies on	
5	The general solution of tan 3x = 1 is	
6	Question Image	
7	If Sin A = sin B, cos A = cos B, then the value of A in terms of B is	
8	The number of solution of the equation tan x + sec x = 2 cos x lying in the interval [0, 2π] is	A. 0 B. 1 C. 2 D. 3
9	Question Image	A. 1 B. 2 C. 3 D. None of these
10	Question Image	D. none of these
11	The solution set of the equation 4 $\cos^2 x$ - 3 + 0 is	D. none of these
12	The solution set of trigonometric equation contains	A. one element B. two elements C. three elements D. Infinite elements
13	Question Image	D. none of these
14	General solution of 1 + cos x = 0 is	
15	Sine rule for a triangle states that	A. a/sin A = b/sin B = c/sin C B. sin A/a = sin B/b = sin C/c C. a/sin A + b/sin B + c/sin C D. 2a/sin A = 2b/sin B = 2c/sin C
16	Question Image	A. trigonometric equation B. conditional equation C. identity D. None
17	Question Image	
18	Question Image	
19	Question Image	A. No solution B. One real solution C. More than one real solution D. None of these
20	cotθ= sin 2θifθ=	