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

Sr	Questions	Answers Choice
1	Question Image	
2	General solution of 1 + cos x = 0 is	
3	Question Image	
4	Question Image	D. both a & c
5	Question Image	
6	The solution set of trigonometric equation contains	A. one element B. two elements C. three elements D. Infinite elements
7	Considering Cosine Rule of any triangle ABC, possible measures of angle A includes	A. Angle A is obtuse B. Angle A is acute C. Angle A is right-angle D. All of above
8	If sin ($\pi\cos\theta$) = cos ($\pi\sin\theta$), then which of the following is correct?	
9	Question Image	D. none of these
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 sin x + cos x = 0 is	
12	Question Image	
13	Question Image	A. From an empty set B. 1 C. 2 D. >2
		A. I andII quadrants B. I<span style="color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 18px; background-color: rgb(255, 255, 248);">I and I<span style="color:

14	Question Image	rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 18px; background-color: rgb(255, 255, 248);">I<span style="color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 18px; background-color: rgb(255, 255, 248);">I quadrants C. <span style="color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 18px; background-color: rgb(255, 255, 248);">I<span style="color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 18px; background-color: rgb(255, 255, 248);">I and <span style="color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 18px; background-color: rgb(255, 255, 248);">I<span style="color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 18px; background-color: rgb(255, 255, 248);">V<span style="color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 18px; background-color: rgb(255, 255, 248);">quadrants D. none of these
15	General solution of tan 5θ= cot $2\theta$is	
16	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
17	The solution of the equation $\cos^2\theta$+ $\sin\theta$+ 1 = 0 lies in the interval	
18	If 4 $\sin^2\theta$=1, then values of$\underline{\theta}$are	
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 Ĉ is	A. <span style="font-size: 0.95em;">69° B. <span style="font-size: 0.95em;">66° C. 60° D. <span style="font-size: 0.95em;">63°