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

Sr	Questions	Answers Choice
1	Question Image	A. A finite non-empty set B. Null set C. Both a and b D. None of these
2	General solution of 1 + cos x = 0 is	
3	Question Image	A. trigonometric equation B. conditional equation C. identity D. None
4	By expressing sin 125° in terms of trigonometrical ratios, answer will be	A. sin 65° = 0.9128 B. sin 55° = 0.8192 C. sin 70° = 0.5384 D. sin 72° = 0.1982
5	Question Image	
6	If Sin A = sin B, cos A = cos B, then the value of A in terms of B is	
7	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
8	By expressing cos 113° in terms of trigonometrical ratios, answer will be	A. −cos 76° = -0.7093 B. −cos 65° = -0.4258 C. −cos 67° = -0.3907 D. −cos 62° = -0.8520
9	Question Image	A. 1 B. 2 C. 3 D. None of these
10	Question Image	
11	The smallest positive root of the equation tan x - x = 0 lies on	
12	Question Image	D. none of these
13	The solution of the equation $\cos^2\theta + \sin\theta + 1 = 0$ lies in the interval	
14	Question Image	
15	Question Image	
16	The solution set of trigonometric equation contains	A. one element B. two elements C. three elements D. Infinite elements
17	Question Image	D. none of these
18	One root of the equation cos x - x + 1/2 = 0 lies in the interval	
19	Question Image	D. none of these
20	Question Image	