ECAT Mathematics Chapter 16 Solution of Trigonometric Equations

Sr	Questions	Answers Choice
1	Question Image	D. all
2	Question Image	
3	The solution set of sin x + cos x = 0 is	
4	Question Image	D. none of these
5	Question Image	A. I andII quadrants B. II andIII quadrants C. III andIVquadrants

		D. none of these
6	Question Image	
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	Question Image	
9	If $4 \sin^2\theta = 1$, then values of θ are	
10	The number of values of x in the interval $[0, 5\pi]$ satisfying the equation $3 \sin^2 x - 7 \sin x + 2 = 0$ is	A. 0 B. 5 C. 6 D. 10
11	Question Image	D. none of these
12	Question Image	D. none of these
13	Question Image	
14	Question Image	
15	The solution of the equation $\cos^2\theta + \sin\theta + 1 = 0$ lies in the interval	
16	Question Image	D. none of these
17	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
18	If Sin A = sin B, cos A = cos B, then the value of A in terms of B is	
19	One root of the equation cos x - x + 1/2 = 0 lies in the interval	
20	Question Image	