ECAT Mathematics Chapter 15 Inverse Trigonometric Functions

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. Cos 2x = sin 4y B. Cos 4y = cos 2x C. Cos 3y = sin 4x D. None of these
3	Question Image	A. 1 B. -1 C. 0 D. None of these
4	If$\pi \leq x \leq 2\pi$, then cos-1 (cos x)=	A. cos x B. -x C. 1/x D. -x
5	The solution set of the equation $\tan^{-1}x - \cot^{-1}x = \cos^{-1}(2 - x)$ is	A. [0, 1] B. [-1, 1] C. [1, 3] D. None of these
6	The value of cos(cos-1 1/2) is	A. 1/2 B. √3/2 C. -1/2 D. 1/√2
7	Question Image	
8	Question Image	
9	Question Image	A. 1 B. -1 C. 0 D. None of these
10	The value of sin [arc cos (-1/2)] is	
11	The exact degree value of the function sin-1(-√3/2) is	A. 70^o B. 50^o C. 90^o D. 60^o
12	The value of $\sin^{-1}$ 5/13 is equal to	A. Cos 5/13 B. Tan⁻¹ 5/12 C. cos⁻¹5/12 D. 2 cos⁻¹4/5
13	Question Image	
14	What is the value of cos-1(1/2)?	A. π/3 B. π/4 C. 3π/2 D. π/6
15	Question Image	
16	Question Image	A. π B. π / 2 C. π / 3 D. π / 4
17	Question Image	
18	$\sin^{-1}[-1/2]$ = _____	
19	Question Image	
		A. π / 3

20	Question Image	3 B. π / 4 C. π / 6 D. 0