ECAT Mathematics Chapter 15 Inverse Trigonometric Functions

Sr	Questions	Answers Choice
1	Question Image	A. π / 3 B. π / 4 C. π / 2 D. π
2	The principal value of $\sin^{-1}[-\sqrt{(\sqrt{3})}/2]$ is	A. 5π/3 B. -2π/3 C. -<img width="9" height="19" src="file:///C:/Users/Softsol/AppData/Local/Temp/msohtmlclip1/01/clip_image002.png" v:shapes="_x0000_i1025">π/3 <!--[endif]--><o:p></o:p> D. π/3
3	The exact degree value of the function sin-1(-√3/2) is	A. 70^o B. 50^o C. 90^o D. 60^o
4	Question Image	A. 1 B. -1 C. 0 D. None of these
5	The principal value of sin-1√(3/2) is	A. -π/3 B. π/3 C. 2π/3 D. π/2
6	Question Image	
7	$\cos^{-1}(\cos x)$ =	A. x B. cos x C. x = 1/x D. cos⁻² x
8	Question Image	
9	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
10	Cos (cos4π/3)=	A. π/2 B. π/3 C. 2π/3 D. -π/3
11	Question Image	
12	Cos^{-1} 12/13 =	A. tan⁻¹ 3/5 B. cot⁻¹ 13/12 C. Sec⁻¹ 13/12 D. sin⁻¹ 5/13
13	Question Image	
14	Question Image	
15	Question Image	
16	$\text{Tan}^{-1}1/x$ = _____	A. sin x B. sec⁻¹X C. cot⁻¹X D. None of these
17	Question Image	
18	Question Image	
19	Question Image	
		A. 0

20	$\sin(\sin^{-1}(1/2))=$	B. 2 C. ∞ D. 1/2