ECAT (Pre-Eng) Mathematics Chapter 15 Inverse Trigonometric Functions

Sr	Questions	Answers Choice
1	The exact value of $\cos^{-1}(-1) + \cos^{-1}(1) =$	A. π B. -π C. π/2 D. π/3
2	$\text{Sin}^{-1}(-x)=$	A. Cos⁻¹1/x B. - Sin⁻¹X C. Cot⁻¹X D. None of these
3	Question Image	A. π / 3 B. π / 4 C. π / 6 D. 0
4	Sin-1(-x)=	A. x B. -x C. -sin-1 x D. cos-1 x
5	$x = \sin^{-1} 3$, then the value of sin x is	A. √(3/2) B. 3 C. Not possible D. -1
6	Question Image	
7	Question Image	A. 1 B. -1 C. 0 D. None of these
8	Question Image	
9	The value of sin [arc cos (-1/2)] is	
10	Cos (cos4π/3)=	A. π/2 B. π/3 C. 2π/3 D. -π/3
11	The value of sin-1 24/25 is equal to	A. csc-1 25/24 B. sec-1 24/25 C. 2 tan-1 4/5 D. 2cos-1 24/25
12	Question Image	A. π / 4 B. π / 6 C. π / 3 D. 0
13	What is the value of cos-1(1/2)?	A. π/3 B. π/4 C. 3π/2 D. π/6
14	Question Image	
15	In the interval $0 \leq x \leq \pi$, the sine is	A. Not a function B. Not defined C. Infinity D. Not one-to-one function
		A. π

16	Question Image	/ 2 B. π / 3 C. π / 4 D. π
17	Question Image	
18	Question Image	
19	Question Image	
20	If$\pi \leq x \leq 2\pi$, then cos-1 (cos x)=	A. cos x B. -x C. 1/x D. -x