ECAT Mathematics Chapter 15 Inverse Trigonometric Functions

Sr	Questions	Answers Choice
1	Question Image	
2	The number of triplets (x, y, z) satisfying $\sin^{-1}x + \cos^{-1}y + \sin^{-1}z = 2\pi$ is	A. 0 B. 2 C. 1 D. Infinite
3	Question Image	
4	The exact degree value of the function sin-1(-√3/2) is	A. 70^o B. 50^o C. 90^o D. 60^o
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	A. 16 / 7 B. 6 / 17 C. 7 / 16 D. None of these
7	Question Image	
8	sn (2sin-10.8)	A. 0.56 B. 0.69 C. -0.16 D. 0.96
9	Question Image	
10	Question Image	
11	The exact value of $\cos^{-1}(-1) + \cos^{-1}(1) =$	A. π B. -π C. π/2 D. π/3
12	Question Image	
13	Question Image	
14	$\text{Tan}^{-1}1/x =$ _____	A. sin x B. sec⁻¹X C. cot⁻¹X D. None of these
15	Question Image	A. 1 B. 0 C. 3 D. -3
16	Question Image	
17	Question Image	A. 1 B. 7 C. 4 D. None of these
18	Question Image	
19	Question Image	
20	If$\pi \le x \le 2\pi$, then cos-1 (cos x)=	A. cos x B. -x C. 1/x D. -x