

ECAT Mathematics Chapter 15 Inverse Trigonometric Functions

Sr	Questions	Answers Choice
1	The domain of the principal tan function is	
2	Question Image <input style="width: 600px; height: 20px;" type="text"/>	
3	Question Image <input style="width: 600px; height: 20px;" type="text"/>	A. 1/3 B. 1 <b style="color: green;">C. 3 D. None of these
4	The range of the principle cot function is	
5	Question Image <input style="width: 600px; height: 20px;" type="text"/>	
6	$\cos^{-1}(\cos x) =$	A. x B. $\cos x$ C. $x = 1/x$ D. $\cos^{-2} x$
7	Question Image <input style="width: 600px; height: 20px;" type="text"/>	
8	The value of $\cos(\cos^{-1} 1/2)$ is	A. 1/2 B. $\sqrt{3}/2$ C. $-1/2$ D. $1/\sqrt{2}$
9	Question Image <input style="width: 600px; height: 20px;" type="text"/>	
10	Question Image <input style="width: 600px; height: 20px;" type="text"/>	A. 16 / 7 B. 6 / 17 C. 7 / 16 <b style="color: green;">D. None of these
11	Question Image <input style="width: 600px; height: 20px;" type="text"/>	
12	$\sin^{-1}[-1/2] =$ _____	
13	$x = \sin^{-1} 3$, then the value of $\sin x$ is	A. $\sqrt{3}/2$ B. 3 <b style="color: green;">C. Not possible D. -1
14	Question Image <input style="width: 600px; height: 20px;" type="text"/>	
15	Question Image <input style="width: 600px; height: 20px;" type="text"/>	
16	$\tan^{-1}(1/4) + \tan^{-1}(2/9)$ is equal to	A. $1/2 \cos^{-1}(3/5)$ B. $1/2 \sin^{-1}(3/5)$ C. $1/2 \tan^{-1}(3/5)$ D. $\tan^{-1} 1/2$
17	Question Image <input style="width: 600px; height: 20px;" type="text"/>	
18	Question Image <input style="width: 600px; height: 20px;" type="text"/>	A. 1 B. 0 <b style="color: green;">C. 3 D. -3
19	What is the value of $\cos^{-1}(1/2)$?	A. $\pi/3$ B. $\pi/4$ C. $3\pi/2$ D. $\pi/6$
20	The domain of the principle cos function is	