

NAT I Computer Science Mathematics

Sr	Questions	Answers Choice
1	In which quadrant is the solution of the equation $\sin x - 1 = 0$	A. II quadrants B. II and III quadrants C. III and IV quadrants D. I quadrant
2	$\cos^{-1} x =$	A. $\pi = \sin^{-1} x$ B. $\pi + \sin^{-1} x$ C. $\pi/2 - \sin^{-1} x$ D. $\pi/2 + \sin^{-1} x$
3	$\sec^{-1} x =$	A. $\cos^{-1} 1/x$ B. $\csc^{-1} 1/x$ C. $\cos^{-1} (-x)$ D. $\tan^{-1} x$
4	$\sin^{-1} (-x) =$	A. $\cos^{-1} 1/x$ B. $-\sin^{-1} x$ C. $1/\sin^{-1} x$ D. $\sin^{-1} 1/x$
5	$\tan^{-1} 1/x =$	A. $\sin x$ B. $\sec^{-1} x$ C. $\cot^{-1} x$ D. $\sin x / \cos x$
6	$\sin^{-1} [-1/2] =$	A. $\pi/3$ B. $-\pi/6$ C. $-\pi/3$ D. $\pi/6$
7	If $\cos \theta = 0$, Then $\theta =$	A. $n\pi/2$ B. $(2n + 1)\pi/2$ C. $(2n - 1)\pi/2$ D. $(n \pm 1)\pi/2$
8	In the figure angle A is =	A. 15 B. 60 C. 90 D. 20
9	If you looking a high point from the ground then the angle formed is	A. Angle of elevation B. Angle of depression C. Right angle D. Horizon
10	Area of $\triangle ABC =$	A. $ab \sin \alpha$ B. $1/2 ab \sin \alpha$ C. $1/2 ac \sin \gamma$ D. $1/2 ac \sin \beta$