

11th Class ICS Mathematics Chapter 13 Test Online

| Sr | Questions | Answers Choice |
|----|--|---|
| 1 | Question Image | A. $\tan x$ B. $\cot x$ |
| 2 | Question Image | A. $\cos x$ B. $\sec x$ |
| 3 | Question Image | A. $\sin x$ B. $\operatorname{cosec} x$ |
| 4 | If $f(x) = \arccos x$, then: | |
| 5 | $y = \tan^{-1} x$ if and only if $x = \tan y$, where: | A. $-1 < x < 1$ and $-\pi < y < \pi$ |
| 6 | The graph of $y = \cos^{-1} x$ is obtained by reflecting the graph of $y = \cos x$ about: | A. x -axis B. y -axis C. $y = x$ D. $y = -x$ |
| 7 | $y = \sin^{-1} x$ if and only if $x = \sin y$, where: | |
| 8 | Inverse sine function is written as: | A. $(\sin x)^{-1}$ B. $\sin x^{-1}$ C. $\operatorname{arc sin} x$ D. $\operatorname{arc sin}^{-1} x$ |
| 9 | Domain of the function $y = \tan^{-1} x$ is: | |
| 10 | The range of principal tangent function is: | |
| 11 | The domain of principal tangent function is: | |
| 12 | The range of principal cosine function is: | |
| 13 | The domain of principal cosine function is: | |
| 14 | The range of principal sine function is: | |
| 15 | The domain of principal sine function is: | |
| 16 | The graph of $x = \sin y$ is obtained by reflecting the graph of $y = \sin x$ about the line: | A. x axis B. y axis C. $y = x$ D. $y = -x$ |
| 17 | If x is positive or zero, then the principal value of any inverse function of x , if it exists lies in the interval: | |