11th Class FSC Mathematics Chapter 13 Test Online

Sr	Questions	Answers Choice
1	The range of $y = \cos^{-1} x$ function is:	
2	The domain of $y = \cos^{-1} x$ function is:	
3	$\cos^{-1} (-x) =$	A. π + cos⁻¹ x B. π - cos⁻¹x C. π + sin⁻¹x D. π - sin⁻¹x
4	Question Image	
5	If x is positive or zero, then the principal value of any inverse function of x, if it exists lies in the interval:	
6	Question Image	A. 0
7	Question Image	
8	The domain of principal cosine function is:	
9	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
10	Question Image	A. sin x B. cosec x
11	Question Image	A. x-axis B. y-axis C. y = x D. y = -x
12	Domain of the function $y = \tan^{-1} x$ is:	
13	$y = \sin^{-1} x$ if and only if x = sin y, where:	
14	$\tan(\pi + \cot^{-1} x) =$	
15	The domain of principal sine function is:	
16	Range of the function $y = \tan^{-1} x$ is:	
17	Question Image	
18	Question Image	
19	$\sin^{-1} (-x) =$	A. -sin⁻¹ x B. sin⁻¹x C. π + cos⁻¹x D. -cos⁻¹x
20	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
21	The domain of $y = \sin^{-1} x$ is:	
22	$\tan^{-1} (-x) =$	A. tan⁻¹x B. cot⁻¹x C. -tan⁻¹x D. -cot⁻¹x
23	Question Image	
24	Question Image	A. tan x B. cot x
25	y = tan-1 x if and only if x = tan y, where:	A. -1 < x < 1 and - π < y < π

26	Inverse sine function is written as:	A. (sin x)⁻¹ B. sin x⁻¹ C. arc sinx D. arc sin⁻¹ x
27	$\tan^{-1}(-\sqrt{3})$ is:	
28	The range of $y = \sin^{-1} x$ is:	
29	$\tan(\pi + \tan^{-1}x) =$	A. x B. π+x C. π-x D. none of these
30	Question Image	A. cos x B. sec x
31	The range of principal cosine function is:	
32	The domain of principal tangent function is:	
33	$\cos(2\sin^{-1} x) =$	A. 1- 2x² B. 1 + 2x² C. 2x²- 1 D. x²- 1
34	The range of principal sine function is:	
35	$\cos(\tan^{-1}\infty) =$	A. 0 B. ∞ C. 1
36	If f(x) = arccos x, then:	
37	The range of principal tangent function is:	