Mathematics Fsc Part 1 Online Test

Sr	Questions	Answers Choice
1	In any triangle ABC, law of cosines is:	
2	if sin x + cos x = 0, then x = _____:	D. none of these
3	Question Image	
4	The amplitude and period of 3 sin x are:	A. 3, π B. 2, 2π C. 3, 3π D. 3, 2π
5	-2 sin α sin ß =	A. sin (α + ß) + sin (α - ß) B. cos (α + ß) + cos (α - ß) C. cos (α + ß) - cos (α - ß) D. cos (α - ß) + cos (α - ß)
6	The period of tan 3x is:	
7	Graphs of trigonometric function within their domains are:	A. line segments B. sharp corners C. broken lines D. smooth curves
8	A circle drawn inside a triangle and touching its sides is known as:	
9	The range of $y = \sin^{-1} x$ is:	
10	Question Image	
11	$\tan(\pi + \cot^{-1}x) =$	
12	Question Image	
13	Question Image	A. tan x B. cot x
14	The period of sec x is:	
15	A triangle which is not right angle triangle called _____ triangle:	A. acute B. obtuse C. right D. oblique
16	When two sides and included angle is given, then area of triangle is given by:	D. all of these
17	Period of a trigonometric function is:	A. any real number B. any negative real number C. any integer D. a least positive number
18	Question Image	
19	cos (α-ß) =	A. cos α cos ß + sin α sin ß B. cos α cos ß - sin α sin ß C. cos α cos ß + sin α cos ß D. sin α cos ß - sin α sin ß
20	If f(x) = arccos x, then:	