

## Mathematics Fsc Part 1 Online Test

Sr	Questions	Answers Choice
1	The domain of principal cosine function is:	
2	General angles of inverse trigonometric functions are written by using their:	A. Domain B. Range C. Periodicity D. Quadrants
3	In any triangle ABC, law of cosines is:	
4	Amplitude of sin x is:	A. R B. [-1,1] C. 0 D. 1
5	The period of tan 2x is:	
6	Which trigonometric equation has secondary solution?	A. sin Θ = 1 B. cos Θ = 1 C. sec Θ = 0 D. tan Θ = 1
7	Question Image	
8	The solution set of $2\cos\Theta + \sqrt{3} = 0$ is:	A. finite set B. infinite set
9	Tan (294°) =	A. tan24° Btan24° C. cot24° Dcot24°
10	tan (α+β) =	
11	Question Image	A. 0 B. 4 C. 1 D. 3
12	In a triangle ABC b = $\sqrt{3}$ , c = 1, $\alpha$ = 30° then a = :	A. 2 B. 1 C. 3 D1
13	When two sides and included angle is given, then area of triangle is given by:	D. all of these
14	Period of a trigonometric function is:	A. any real number B. any negative real number C. any integer D. a least positive number
15	Question Image	
16	tan (270° + Θ) is equal:	A. cot Θ B. tan Θ Ccot Θ Dtan Θ
17	r <sub>3</sub> =	
18	The period of cot x is:	
19	A circle drawn inside a triangle and touching its sides is known as:	
20	In triangle the length of the sides are 7, $4\sqrt{3}$ and $\sqrt{13}$ . Then the smallest angle is:	A. 15° B. 30° C. 60° D. 45°