

Mathematics FA Part 1 Online Test

C-	Overtions	Anguara Chaiga
Sr	Questions	Answers Choice
1	Question Image	A. rational number B. irrational number C. natural number D. whole number
2	If $\sin \alpha < 0$ and $\cos \alpha > 0$, then α lies in:	A. I B. II C. III D. IV
3	Probability of a certain event is:	A. 0 B. 1 C. >1 D. ∞
4	If the sum of the roots of the equation $kx^2 - 2x + 2k = 0$ is equal to their product, then the value of k is:	A. 1 B. 2 C. 3 D. 4
5	The period of cot x is:	
6	In binomial expansion $(a+b)^n$, n is positive integer the sum of coefficients equals:	D. none of these
7	Question Image	A. tan x B. cot x
8	The domain of principal sine function is:	
9	A.M between 1 + x - x ² and 1 + x + x ² is:	A. 1 + x ² B. 1 + x C. 2 D. none
10	In 2s = a + b + , then in any triangle ABC:	D. all of above
11	The other name of quadratic equation is:	A. linear equation B. 1st degree equation C. 2nd degree equation D. none
12	csc (2π - Θ), where Θ is a basic angle, will have terminal side in:	A. quad. I B. quad. II C. quad. III D. quad. IV
13	No. of triangles can be formed by joining the vertices of the polygon having 12 sides?	A. 202 B. 220 C. 110 D. none of these
14	Question Image	D. i
15	Question Image	A. A is superset of B B. B is superset of A C. A is subset of B D. A is equivalent to B
16	Question Image	A. scalarmatrix B. diagonalmatrix C. lower triangularmatrix D. uppertriangularmatrix
17	$tan(\pi + tan^{-1}x) =$	A. X B. π+x C. π-x D. none of these
18	Question Image	A. A B. B
19	Equations having a common solution are called:	A. linear B. quadratic C. homogeneous

When a rational fraction is separated into partial fractions, the result is: