

Mathematics FA Part 1 Online Test

Sr	Questions	Answers Choice
1	Question Image	
2	$\tan (-135^\circ) =$	A. 0 B. 1 D. $\sqrt{2}$
3	Question Image	A. integer B. rational number C. irrational number D. natural number
4	Question Image	A. B B. A D. none of these
5	${}^nC_4 = {}^nC_8$ then $n = :$	A. 4 B. 12 C. 8 D. 6
6	Question Image	D. i
7	$180^\circ =$ _____:	D. π radians
8	Question Image	A. z is purely real B. z is any complex number C. z is purely imaginary D. real part of z = imaginary part of z
9	The disjunction of two statements p and q is denoted by:	
10	Question Image	
11	$2 \cos \alpha \sin \beta =$	A. $\cos (\alpha + \beta) + \cos (\alpha - \beta)$ B. $\sin (\alpha + \beta) + \sin (\alpha - \beta)$ C. $\sin (\alpha + \beta) - \sin (\alpha - \beta)$ D. $\cos (\alpha + \beta) + \cos (\alpha - \beta)$
12	No. of diagonals can be formed by joining the vertices of the polygon having 12 sides ?	A. 70 B. 54 C. 70 D. 73
13	Question Image	A. $x = 0$ B. $y = 0$ C. $x = 0$ and $y = 0$ D. $x = 0$ or $y = 0$
14	The other name of quadratic equation is:	A. linear equation B. 1st degree equation C. 2nd degree equation D. none
15	For a square matrix A, $ A $ equals:	A. $A^{\sup}$ B. $ A^{\sup} $ C. $- A^{\sup} $ D. $-A^{\sup}$
16	In an A.P. $a_3 = 12$ and $a_7 = 32$ then $d = :$	A. 5 B. 3 C. 7 D. 9
17	The range of principal sine function is:	
18	A circle passing through the vertices of a triangle is known as:	
19	The quadrant of an angle Θ is determined by its:	A. sign B. value C. ratio D. magnitude
20	A circle drawn inside a triangle and touching its sides is known as:	

