

## Mathematics FA Part 1 Online Test

Sr	Questions	Answers Choice
1	The period of cos 2x is:	
2	A.M between x - 3 & x + 5 is:	A. x + 1 B. x - 1 C. 2x + 2 D. none
3	Question Image	A. x = 0 B. y = 0 C. x = 0 and y = 0 D. x = 0 or y = 0
4	Question Image	
5	$sin(\alpha + \beta) =$	
6	Fifth term of the sequence 2, 6, 11, 17.	A. 24 B. 41 C. 32
7	Question Image	A. r <sub>1</sub> B. r <sub>2</sub> C. r <sub>3</sub> D. r
8	Question Image	
9	The disjunction of two statements p and q is denoted by:	
10	Tickets numbered 1 to 20 are mixed up and then a ticket is drawn at random. What is the probability that the ticket drawn bears a number which is a multiple of 3?	D. none of these
11	If the Discriminant of a quadratic equation is a perfect square, then roots are:	A. real and equal B. complex C. rational D. irrational
12	cos(tan⁻¹∞) =	A. 0 B. ∞ C. 1
13	r r <sub>1</sub> r <sub>2</sub> r <sub>3</sub> =	D. abc
14	Question Image	A. A B. B
15	A key ring is an example of:	A. permutation     B. circulation permutation     C. combination     D. none
16	The additive inverse of a real number is a:	A. 0 Ba C. a
17	If a matrix A is symmetric as well as skew symmetric, then:	A. A is null matrix B. A is unit matrix C. A is triangular matrix D. A is diagonal matrix
18	$x^2 - 5x + 6 = 0$ is:	
19	Question Image	A. 3 B. 1 C. 4
		D. None
20	Question Image	