

## Mathematics FA Part 1 Online Test

Sr	Questions	Answers Choice
1	The sum of 10 A.Ms between 3 and 47 is:	A. 50 B. 250 C. 100 D. 500
2	Question Image	A. 4 B. 6 C. 8 D. 10
3	Fifth term of the sequence 2, 6, 11, 17.	A. 24 B. 41 C. 32
4	Question Image	A. B B. A D. none of these
5	The period of sin 2x is:	A. π B. 2π C. 3π
6	Question Image	A. 25 B. 20 C. 40 D. 2a + 2b + 2c
7	In a simultaneous throw of two dice, The probability of getting a total of 7 is:	2.24 20
8	7th term of G.P 3, 6, 12 is:	A. 512 B. 192 C. 48 D. 96
9	Question Image	
10	Question Image	D. none of these
11	A key ring is an example of:	A. permutation B. circulation permutation C. combination D. none
12	A matrix of order m×1 is called:	A. row matrix B. column matrix C. identity matrix D. scalar matrix
13	The identity element in a group is:	A. unique B. inifinite C. both a and b D. not possible
14	No. of diagonals can be formed by joining the vertices of the polygon having 12 sides?	A. 70 B. 54 C. 70 D. 73
15	A circle passing though the vertices of a triangle is known as:	
16	Number of digits multiple of 5 made from the digits 2, 3, 5, 7, 9 is:	A. 5 B. 24 C. 20 D. none
17	$\cos(2\sin^{-1}x) =$	A. 1- 2x <sup>2</sup> B. 1 + 2x <sup>2</sup> C. 2x <sup>2</sup> - 1 D. x <sup>2</sup> - 1
18	Question Image	Β. 10π

ıσ	cos · (-x) =	C. $\pi$ + sin <sup>-1</sup> x D. $\pi$ - sin <sup>-1</sup> x
20	If $\alpha$ , $\beta$ are the roots of $x^2$ + $kx$ + 12=0 such that $\alpha$ - $\beta$ = 1 then K = :	A. 0 B. ±5 C. ±7 D. ±15