

Mathematics FA Part 1 Online Test

Sr	Questions	Answers Choice
1	$\cos^4\Theta$ - $\sin^4\Theta$ =	A. sin 2Θ B. cos 2Θ C. tan 2Θ D. sec 2Θ
2	Sum of all positive integral multiples of 3 less than 100 is:	A. 950 B. 760 C. 1230 D. 875
3	Question Image	D. i
4	Sum of all three cube roots of unity is:	A. 1 B1 C. 0 D. 3
5	$2 \sin \alpha \cos \beta =$	A. $\sin (\alpha + \beta) - \sin (\alpha - \beta)$ B. $\cos (\alpha + \beta) + \cos (\alpha - \beta)$ C. $\sin (\alpha + \beta) + \sin (\alpha - \beta)$ D. $\cos (\alpha + \beta) - \cos (\alpha - \beta)$
6	Question Image	A. 3×2 B. 2×3 C. 2×2 D. 3×3
7	Question Image	
8	r ₂ =	
9	A.M between x - 3 & x + 5 is:	A. x + 1 B. x - 1 C. 2x + 2 D. none
10	Which one is radical equation:	A. ax ² + bx + c B. ax + b = 0 D. 2 ^x = 16
11	The area of a sector of a circular region of radius r with length of the arc of the sector equal to s is:	A. rO B. rs
12	The number of ways in which fiver persons can sit at a round table is:	A. 4! B. 5! D. none of these
13	The set of all rational numbers between 2, 3 is:	A. an empty set B. an infinite set C. a finite set D. a power set
14	The next term of the sequence-1, 2, 12, 40,is:	A. 112 B. 212 C. 144 D. none
15	If $\sin \Theta + \csc \Theta = 2$, then $\sin^2 \Theta + \csc^2 \Theta =$	A. 2 B. 4 C. 0 D. 8
16	The real part of the complex number a + bi is:	A. b Bb C. a Da
17	tan (α - ß) =	
18	i ² + 1 =	A1 B. 0 C. i D. 1
		A

19	A key ring is an example of:	A. permutation B. circulation permutation C. combination D. none
20	Question Image	A. A B. B