

## Mathematics FA Part 1 Online Test

Sr	Questions	Answers Choice	
1	[0] is a:		
2	A numbers exceeds its square root by 6, the number is:	A. 6 B. 3 C. 9 D. none of these	
3	If $f(x) = \arccos x$ , then:		
4	To draw general conclusions from a limited number of observations is called:	A. logic B. proposition C. induction D. deduction	
5	Two matrices X and Y are equal if and only if:	A. X and Y are of same order     B. Their corresponding elements are equal     C. Both a and b     D. None of these	
6	tan (α - ß ) =		
7	A groupoid (S) is called if it is associative in S:	A. group B. abelian-group C. semi-group D. associative-group	
8	Question Image		
9	1° is equal to:		
10	Question Image	A. real numbers B. complexnumbers C. primenumbers D. oddnumbers	
11	Fifth term of the sequence 2, 6, 11, 17.	A. 24 B. 41 C. 32	
12	$(1 - \sin^2\Theta) (1 + \tan^2\Theta) =$	A. 0 B. 1 C. Θ D1	
13	Question Image	A. 0	
14	6 g of hydrogen gas is.	A. 1 mole B. 2 moles C. 3 moles D. 4 moles	
15	Question Image	A. 2x B. x <sup>2</sup> C. 1 D. none of these	
16	Question Image	A. closureproperty B. associativeproperty C. commutativeproperty D. trichotomyproperty	
17	Question Image	A. 5 B5 C4 D. 4	
18	If the roots of $x^2$ - bx + c = 0 are two consecutive integers, then: $b^2$ - 4ac =	A. 0 B. 1 C1 D. 2	
19	Question Image	A. 2 B. 4	

		С. б D. 8	
20	If the matrices A & B have the orders 2×3 and 5×2 then order BA is:	A. 3×5 B. 5×2 C. 2×2 D. none	