

Mathematics FA Part 1 Online Test

C-	Overtions	Anguara Chai
Sr	Questions	Answers Choice
1	$tan(\alpha+\beta) =$	
2	Question Image	
3	If there are six G.Ms between 3 and 284 then G_4 =	A. 24 B. 48 C. 12 D. 6
4	The real part of the complex number a + bi is:	A. b Bb C. a Da
5	For what value of k, the roots of the equation $x^2 + \sqrt{k} x + 2 = 0$ are equal:	A. 1 B. 8 C. 2 D. 4
6	Probability of an impossible event is:	A. 0 B. 1 C1 D. ∞
7	A set having no element is called:	A. null set B. subset C. singleton D. superset
8	No. of necklaces can be made from 7 beads of different colors ?	A. 360 B. 120 C. 60 D. 70
9	No. of ways of solving a quadratic equation:	A. 1 B. 3 C. 2 D. 4
10	Question Image	A. singular B. non-singular C. rectangular D. null
11	Question Image	A. 3 B. 1 C. 4 D. None
12	The middle term in the expansion of $(1+x)^{1/2}$ is:	A. T ₂ B. T ₃ C. does not exist D. none of these
13	Question Image	D. none of these
14	Which one is a quadrant angle ?	A. 60° B. 180° C. 120° D. 30°
15	$\sin (\alpha + \beta) =$	
16	The lengths of the sides of a triangle are proportional to the sines of the opposite angles to the sides. This is known as:	A. The law of sines B. The law of cosines C. The law of tangents D. The fundamental law
17	Question Image	
18	If two rows (or two columns) in a square matrix are identical (i.e. corresponding elements are equal), the value of the determinant is:	A. 0 B. 1 C1 D. ±1

19	Question Image	A. 2 B. 4 C. 6 D. 8
20	The range of $y = \sin^{-1} x$ is:	