

Mathematics FA Part 1 Online Test

Sr	Questions	Answers Choice
1	Question Image	A. 25 B. 20 C. 40 D. $2a + 2b + 2c$
2	Which one is a quadrant angle ?	A. 60° B. 180° C. 120° D. 30°
3	Question Image	A. scalar matrix B. diagonal matrix C. triangular matrix D. none of these
4	Sum of roots of $ax^2 + bx + c = 0$ is equal to product of roots only if:	A. $a+c=0$ B. $b+c=0$ C. $a+b=0$ D. $a+b+c=0$
5	Question Image	
6	The period of $\csc 3x$ is:	
7	$\tan (270^\circ + \Theta)$ is equal:	A. $\cot \Theta$ B. $\tan \Theta$ C. $-\cot \Theta$ D. $-\tan \Theta$
8	If $AB = BA = I$, then A and B are:	A. equal to each other B. multiplicative inverse of each other C. additive inverse of each other D. both singular
9	Question Image	A. integer B. rational number C. irrational number D. natural number
10	If A is a square matrix, then $A + A^t$ is:	
11	$\tan (\alpha+\beta) =$	
12	The circum-radius R of a triangle is given by:	
13	One card is drawn at random from a pack of 52 cards. The probability that the card drawn a king is:	D. none of these
14	Zero cannot be a term of:	A. A.P and G.P B. G.P and H.P C. A.P and H.P D. only H.P
15	The domain of $y = \sin^{-1} x$ is:	
16	Which one is exponential equation:	A. $ax^2 + bx + c = 0$ B. $ax + b = 0$ D. $2^x = 16$
17	In a simultaneous throw of two dice, The probability of getting sum 3 or 11 is:	D. none
18	$5x^2 + 8x + 3 = 0$ is:	
19	Question Image	A. 3 B. 1 C. 4 D. None
20	The domain of principal tangent function is:	