

Mathematics FA Part 1 Online Test

Sr	Questions	Answers Choice
1	Question Image	A. 9 B. -9 C. -6 D. none
2	Question Image	A. right angled B. equilateral C. isosceles D. obtuse angled
3	$x^2 - 5x + 6 = 0$ is:	
4	The number of diagonals of a polygon with n sides is:	D. none of these
5	Number of terms in the expansion of $(x+y)^6$ is:	A. 7 B. 6 C. 2 D. 8
6	Which one is exponential equation:	A. $ax^2 + bx + c = 0$ B. $ax + b = 0$ D. $2^x = 16$
7	Question Image	
8	Graphs of trigonometric function within their domains are:	A. line segments B. sharp corners C. broken lines D. smooth curves
9	Tickets numbered 1 to 20 are mixed up and then a ticket is drawn at random. What is the probability that the ticket drawn bears a number which is a multiple of 3 ?	D. none of these
10	A clock strikes once when its hour hand is at one, twice when it is at two, and so on. How many times does the clock strike in ten hours ?	A. 55 B. 78 C. 66 D. 46
11	$r_1 =$	
12	Question Image	
13	Question Image	
14	Question Image	A. 4 B. 16 C. 8 D. 64
15	For a positive integer n:	A. $(n+1)! = (n+1)n!$ B. $(n+1)! = (n+1)(n-1)!$ C. $n! = n(n+1)!$ D. none of these
16	$(1 - \cos^2\theta)(1 + \cot^2\theta) =$	A. $\tan^2\theta$ B. 0 C. 1 D. -1
17	No. of arrangements of the letters of the word PAKISTAN can be made, taken all together ?	A. 21160 B. 20160 C. 20170 D. 20016

A. 3×1
B. 20160
C. 20170
D. 20016

