

Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	<input type="text" value="Question Image"/>	
2	<input type="text" value="Question Image"/>	
3	If A and B are matrices of same order than $(A + B)(A + B) =$	A. $A^2 + B^2$ B. $A^2 + B^2 + 2AB$ C. $A + B$ D. $A^2 + B^2 + AB + BA$
4	<input type="text" value="Question Image"/>	
5	The equation of the line with gradient 1 passing through the point (h, k) is	A. $Y = x + k - h$ B. $Y = k/h x + 1$ C. $Y = x + h - k$ D. $Ky = hx - 1$
6	$\sin(a + b) + \sin(a - b) =$	A. $\sin a \cos b$ B. $\sin a \sin b$ C. $\sin a + \cos b$ D. $\sin a - 2 \cos b$
7	<input type="text" value="Question Image"/>	
8	A vector of magnitude zero is called	A. Position vector B. Null vector C. Free vector D. None of these
9	<input type="text" value="Question Image"/>	
10	<input type="text" value="Question Image"/>	A. 15 B. $15i$ C. $-15i$ D. -15
11	<input type="text" value="Question Image"/>	
12	<input type="text" value="Question Image"/>	A. A positive integer B. A negative integer C. A natural number D. An irrational number
13	The line joining (1, 3) to (a, b) has unit gradient then	A. $a - b = -2$ B. $a + b = 0$ C. $a - b + 5$ D. $2a + 3b = 1$
14	How many elements are in the sample space of two rolling dies	A. 6 B. 12 C. 18 D. 36
15	A die is thrown. What is the probability that there is a prime number on the top?	A. $1/2$ B. $1/3$ C. $1/6$ D. $2/3$
16	<input type="text" value="Question Image"/>	A. $1/2$ B. $3/5$ C. $4/5$ D. 1
17	If c is a constant number and if f is the function defined by the equation $f(x) = c$ for all values of x, then f is differentiable at every x and f is defined the equation $f'(x) =$ _____	A. f B. 1 C. C D. 0
18	The multiplicative inverse of x such that $x \neq 0$ is	A. -x B. does not exist C. $1/x$ D. 0

19 Question Image

20 Question Image

D. None
