

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	
3	The total cost of 2 apples and 3 oranges is \$1.70, which of the following is true	A. The cost of one apple B. The cost of one orange C. Both have equal cost per item D. Cost of each single item can not be determined
4	If $ a + (a+1)j + 2k = 3$ then value of a is	A. 1,2 B. -1,-2 C. 1,-2 D. -1,2
5	Let $P(x_1, y_1)$ and $Q(x_2, y_2)$ be two points in the co-ordinate plane. Let d = distance between P and Q	
6	If $ a \times b ^2 + (a,b)^2 = \underline{\hspace{2cm}}$	A. $ a ^2 + b ^2$ B. $ a ^2 - b ^2$ C. $ a ^2 b ^2$ D. None
7	The set of months in a year beginning with S.	A. {September, October, November} B. Singleton set C. Null set D. Empty set
8	If n is any positive integer then $2^n > 2(n + 1)$ is true for all	
9	The equations of the line thro' the point (2, 3, -5) and equally inclined to the axis are	
10	The distance between the points (2,3) and (3,2) is	A. 5 C. 2 D. 10
11	Which of the following function form 1 to itself are bi-jective	A. $F(x) = x + 3$ B. $F(x) = x^{5/2}$ C. $F(x) = 3x + 2$ D. $F(x) = x^{2/2} + x$
12	The distance of a moving particle at any instant t is $x = 3t^2 + 1$ then velocity of particle at $t = 10$ is	A. 50 cm/sec B. 60 cm/sec C. 61 cm/sec D. None of these
13	A vector of magnitude zero is called	A. Position vector B. Null vector C. Free vector D. None of these
14	Question Image	
15	Group of none-singular matrices under multiplication is	A. None-Abelian group B. Semi group C. Abelian group D. None of these
16	Question Image	
17	Question Image	
18	The measure of the acute angle between the lines represented by $x^2 - xy - 6y^2 = 0$ is	A. 120° B. 30° C. 130° D. 45°
19	Question Image	
20	Question Image	