

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. From an empty set B. 1 C. 2 D. >2
2	Which of the following is a vector.	A. distance B. temperature C. energy D. acceleration
3	Question Image	
4	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 by the equation $f(x)$	A. f B. 1 C. C D. 0
5	Question Image	A. are real no B. both are not real C. are imaginary no D. both are imaginary
6	If $f(x) = ax^2$, and a>0, then the lowest point on the parabola is called.	A. Vertex of parabola B. Co-ordinates of parabola C. Roots of the equation D. Coefficient of the equation
7	Question Image	
8	The order of the matrix [1 2 3] is	A. 1 x 1 B. 3 x 3 C. 3 x 1 D. 1 x 3
9	If origin is the mid point of (a,3) and (5,b) then	A. a = -5, b = -3 B. a = 5, b = 3 C. a = -5, b = 3 D. a = 5, b = -3
10	The number of terms in the expansion of $(a + x)^{12}$ is	A. 13 B. 12 C. 11 D. 10
11	The number of words that can be formed out of the letters of the word ASSASSINATION is	
12	Domain of y = scs x is	A. All real numbers except $\pi/2 + n^*\pi$ B. R C. All negative integers D. None of these
13	Question Image	A1 B. 0 C. 1 D. undefined
14	The middle term in the expansion of $(a + x)^{12}$ is	A. 7th B. 8th C. 9th D. 6th
15	Question Image	A. 360° B. 180° C. 90° D. None of these
16	If $3x^4 + 4x^3 + x - 5$ is divided by $x + 1$, then the reminder is	A. 0 B. 7 C7 D. 5
17	Question Image	
18	Question Image	D. none of these

19	For what value of k, $3x-2y+k=0$ is tangent to the circle x2 +y2 +6x-4y =0	A. k=0 B. k=0 or 26 C. k = 26 D. k=-13
20	Question Image	