Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Question Image	A. 1 B. 0 C. -2 D. 3
2	If A and B are matrices of same order than (,A + B)(A + B) =	A. A²+ B² B. A²+ B²+ 2AB C. A + B D. A²+ B²+ AB + BA
3	The set of complex numbers forms a group under the binary operation of	A. Addition B. Multiplication C. Division D. Subtraction
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 the equation f(x) = _____	A. f B. 1 C. C D. 0
5	Question Image	
6	Question Image	
7	Question Image	
8	Question Image	D. None
9	The mid point of the line joining (-1, -3) to (3, -5) is	A. (1, 1) B. (1, -1) C. (2, -8) D. (1, -4)
10	Question Image	A. 2 B. 1 C. 3 D. 4
11	Question Image	A. Free vector B. Null vector C. Unit vector D. None of these
12	An angle of one radian is equivalent to	A. 90° B. 60° C. 67° D. 57° 18[']
13	Question Image	
14	Question Image	D. None of these
15	If n is a positive integer, then 3+6+9+ ----------+3n =	
16	The graph of a quadratic function is	A. Circle B. Ellipse C. Parabola D. Hexagon
		A. Rational number

17	Every prime number is also	B. even number C. Irrational number D. multiple of two numbers
18	Question Image	A. n = 3 only B. n <u>></u> 5 C. n <u>></u> 3 D. n < 5
19	The center of a circle of radius 10 is on the origin. Which of the following points lies with in the circle	A. (10, 0) B. (8, 8) C. (8, 4) D. (0, 10)
20	In the expansion of $(a + b)^n$ in every term the sum of the exponents of a and b is	A. n B. n + 1 C. 2n - 1 D. 2n + 1