Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The sum even binomial coefficient of (3+2x)5 is _____term	A. 16 B. 30 C. 8 D. 32
2	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
3	Question Image	
4	$2x^3+ 3x + 9$ is a _____	A. Polynomial of degree 3 B. Quadratic equation C. Cubic equation D. Polynomial of degree 2
5	Question Image	A. 0 B. -1 C. 1 D. not defined
6	If n is any positive integer ,t hen 2+4+6+.....+2 n=	A. 2ⁿ-1 B. 2ⁿ+1 C. n²+1 D. n(n+1)
7	If y=f(x) is a function then x is called	A. dependent variable B. independent variable C. constant D. none of these
8	For which of the following ordered pairs (s, t) is s + t > 2 and s - t < -3?	A. (3, 2) B. (2, 3) C. (1, 8) D. (0, 3)
9	Question Image	
10	The condition for polynomial equation ax2 + bx + c = 0 to be quadratic is	A. a > 0 B. a < 0 C. a≠ 0 D. a≠ 0,b ≠ 0
11	An equation which holds good for all values of variables is called	A. Equation B. Conditional equation C. Constant D. None
12	The sum of an indicated number of terms in a sequence is called	A. sequence B. progression C. Series D. Mean
13	Question Image	
14	Question Image	
15	The number of tangents to the circle x2+ y2 -8x -6y +9 =0 which pass through the point (3,-2) is	A. 2 B. 1 C. 0 D. None of these
16	Question Image	
17	Every set is an improper subset of	A. Empty set B. Equivalent set C. Itself D. Singleton set
18	Question Image	A. sec x tan x B. cos²x C. sin²x

		D. sec²x
19	Optimal solution is found by evaluation the objective function at	A. All point of feasible region B. Corner point C. Origin D. None
20	(1, 1) is the in the solution of the inequality	A. 3x + 4y > 3 B. 2x + 3y < 2 C. 4x = 3y > 5 D. 2c - 3y > 2