Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	For≥ -2 , 1+3+5+......+(2n+5)	A. $(n+2)^2$ B. $(n-2)^2$ C. $2n+1$ D. $(n+3)^2$
2	Question Image	
3	The equation of the circle with centre (5, -2) and radius 4 is	A. $(x-5)^2 + (y+2)^2 = 16$ B. $(x-5)^2 + (y+2)^2 = 4$ C. $(x-5)^2 + (y-2)^2 = 16$ D. $(x-5)^2 + (y-2)^2 = 4$
4	A tower subtends an angle of 30° at a point distant d from the foot of the tower and on the same level as the foot of the tower. At a second point, h vertically above the firs, the angle of depression of the foot of the tower, is 60°. The height of the tower is	A. h/3 B. h/3d C. 3h D. 3h / d
5	Question Image	
6	Question Image	
7	Question Image	
8	The domain of a finite sequence is a	A. Set of natural numbers B. R C. Subset of N D. Proper subset of N
9	Question Image	
10	Question Image	A. 1 B. 0 C. -1 D. 2
11	A square matrix A for which $A^t = A$ is called a	A. Column matrix B. Symmetric matrix C. Skew-symmetric matrix D. Row matrix
12	A function of the form p(x)/Q(x) is called:	A. Rational function B. Logarithmic function C. Exponential function D. Hyperbolic function
13	Question Image	A. An expression B. Rational fraction C. Equation D. Identity
14	Question Image	A. 0 B. -1 C. 1 D. not defined
15	The corner point of the boundary lines, x-2y 2x + y = 2 is:	A. (2,6) B. (6,2) C. (-2,2) D. (2,-2)
16	Question Image	A. 8 B. 9 C. 10 D. 11
17	Question Image	A. An upper triangular matrix B. A lower triangular matrix C. A diagonal matrix D. A null matrix

18	Question Image	
19	What is the number of elements of the power set of {0, 1}	A. 1 B. 2 C. 3 D. 4
20	202.04 is an example of	A. Recurring decimals B. Non-recurring decimals C. Terminating decimals D. None of above