Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	The third term in the expansion of (1+2x) is	A. -2x2 B. -4x2 C. 2x2 D. 4x2
3	The general equation of circle $x^3 + y^3 + 2gx + 2fy + c = 0$, contains:	A. Three independent variables B. Two independent conntants C. Three indepentent parameters D. Three independent constants
4	{1, 2, 3} is _____	A. an infinite set B. A finite set C. A singleton set D. Universal set
5	The coefficient of x^{10}in the expansion $(x^3+3/x^2)^{10}$is	A. 1700 B. 17023 C. 17027 D. 17010
6	14 is not a	A. Prime number B. Whole number C. Even number D. Real number
7	Question Image	
8	Question Image	A. 0 B. 1 C. 8 D. ∞
9	Question Image	
10	The axis of the parabola y^2= 4ax is	A. X = 0 B. Y = 0 C. X = y D. X = -y
11	Question Image	A. 8 B. 1/56 C. 56 D. None of these
12	Number of selections of n different things out of n	A. 1 B. nPr C. n! D. nPr
13	If distance of (a,b) from y-axis is 2 then	A. a = 2 B. b = 2 C. a = b D. a = 4
14	Question Image	A. The law of sines B. The law of tangents C. The pythagorus theorem D. None of these
15	A square matrix A = [aij] is upper triangular when	A. cij = 0 B. bij = 0 C. aij = 0 for all i > j D. dij = 0
16	Question Image	
		A. f(-x,-y)=f(x,y)

17	The curve f(x,y) = 0 has a central symmetry if	B. f(x,-y)=f(x,y) C. f(-x,y)=f(x,y) D. f(-x,-y)≠f(x,y)
18	Question Image	
19	If A is a skew-symmetric matrix of order n and P, any square matrix of order n.prove that P' AP is	A. Skew-symmetric B. Symmetric C. Null D. Diagonal
20	The domain the function : f(x) = x^2 is given by	A. R B. Set of all non-negative Real numbers C. R⁻¹ D. None of these