Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If the sum of even coefficients in the expansion of (1+x)n is 128 then	A. n=7 B. n=9 C. n=8 D. None
2	Question Image	A. (x, y) B. (kx, y) C. (x, ky) D. (kx, ky)
3	Z is a	A. Infinite set B. Finite set C. Singleton set D. Set of all integers
4	f(x) = 1 is	A. identity function B. constant function C. linear function D. quadratic function
5	Question Image	
6	The second degree equation 2x2 -xy+ 5x -2y +2 =0 represents	A. Circle B. Hyperbola C. Ellipse D. Pair of straight lines
7	Question Image	
8	If A and B are two sets then any subset R of A x B is called	A. relation on A B. relation on B C. relation from A to B D. relation from B to A
9	Question Image	
10	cos(a +β)-cos(a-β) = _____;	A. 2cosa cosβ B. 2sina cosβ C. -25 in a cosβ D. -2sin a sinβ
11	A Series which does not coverage to a Unique sum is called	A. Harmonic Series B. Oscillatroy Series C. Arithmetic Series D. None of these
12	The graph of linear equation 2x + 3y = 10	A. Parabola B. Circle C. Hyperbola D. Straight line
13	The value of k (k > 0) for which the equation x^2+ kx + 64 = 0 and x^2- 8x + k = 0 both will have real roots is	A. 8 B. -16 C. -64 D. 16
14	Question Image	
15	How many arrangements of the letters of the word ADDING can be made	
16	The number of subsets of B = {1,2,3,4,5}	A. 10 B. 32 C. 16 D. 5
17	Question Image	A. 0 B. 1
18	Question Image	
19	The coefficient of x^{10}in the expansion $(x^3+3/x^2)^{10}$is	A. 1700 B. 17023 C. 17027

D. 17010

20	Tan(α-β)=