Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	If A = {2m/m^3= 8 , m€ Z} then A =	A. {1,8,27} B. {4} C. (2,4,6} D. {2,16,54}
3	Question Image	
4	ax2 +2hxy +by2 +2gx +2fy +c =0 may represent an ellipse if	A. h2 -ab <0 B. h2 -ab≠ 0 C. h2 -ab =0 D. h2 -ab >0
5	Question Image	A. quadratic function B. constant function C. trigonometric function D. linear function
6	Question Image	A. 1 B. 0 C. 3 D. -1
7	If a_n= 2n -3, write the first four terms	A. -3, -1, 1, 3 B. 1, 3, 5, 7 C. -1, 1, 3, 5 D. None of these
8	Question Image	B. 1 D. -1
9	Question Image	A. I B. |A| C. |A| I D. None of these
10	Question Image	A. cos x B. sec x tan x C. sec²x D. -cosec²x
11	Question Image	A. 15 B. 15 i C. -15 i D. -15
12	A second degree equation in which coefficients of $x^2$and y^2 are equal and there is no product therm xy represents:	A. a parabola B. a circle C. an ellipse D. a pair of lines
13	Question Image	A. Does not exist because f is unbounded B. Is not attained even though f is bounded C. Is equal to 1 D. Is equal to -1
14	2x + 3y > 4 is a linear inequality in	A. one variable B. two variables C. three variables D. none of these
15	Question Image	
16	Question Image	
17	Question Image	
18	Question Image	
		A. Common difference B. nth term

19	an -an-1, ∀n∈N∧n>1 in an A.P is called	B. nth term C. Common ratio D. None of these
20	The sets {1, 2, 4} and {4, 6, 8, 10} are	A. Equal sets B. Equivalent sets C. Disjoint sets D. Over lapping sets