Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The additive inverse of 1 is	A. 1 B. -1 C. 0 D. Does not exist
2	Question Image	A. I andII quadrants B. II andIII quadrants C. II andIVquadrants D. none of these
3	Question Image	
4	Question Image	A. 2 B. 4 C. 6 D. 8
		A. b²- 4ac < 0

5	The roots of the equation $ax^2 + bx + c = 0$ are complex/imaginary if	A. b²- 4ac > 0 B. b²- 4ac = 0 C. b²- 4ac > 0 D. None of these
6	The exact degree value of the function sin-1(-√3/2) is	A. 70° B. 50° C. 90° D. 60°
7	One minute is denoted by	A. 1⁰ B. 1' C. 1" D. None of these
8	Sum of all the four forth roots of unity is	A. 1 B. -1 C. i D. 0
9	Question Image	A. (-1, 2) B. (-1, 1) C. (1, 2) D. {-1}
10	Question Image	
11	Which element is the additive inverse of (a, b) in Complex numbers?	A. (a, 0) B. (0, b) C. (a, b) D. (-a, -b)
12	Question Image	A. -2 B. -1 C. 1 D. 2
13	1+3x+6x2 +10x3 +....=	A. (1+x)-3 B. (1-x)-2 C. (1-x)-3 D. (1+x)-2
14	If cos (2 sin-1 x) = 1/9 , then what is the value of x?	A. 1/3 B. -2/3 C. 2/3 D. 2/3 , -2/3
15	Question Image	
16	The total number of subsets that can be formed out of the set {a, b, c} is	A. 1 B. 4 C. 8 D. 12
17	The equation of the parabola with directirx x = 2 and the axis y = 0 is	A. y²= 8x B. y²= -8x C. y²= 4x D. y²= -4x
18	The number of different ways of describing a set is	A. One B. Two C. Three D. Four
19	The directrix of y2 =-4ax is	A. y =-a B. y = a C. x = a D. x = -a
20	The differential equations of all conis whose axes coincide with the co-ordinate axis is	