Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If origin is the mid point of (a, -3) and (-5, b) then	A. a = -5 , b = -3 B. a = 5 , b =3 C. a = -5 , b = 3 D. a = 5 , b = -3
2	I f the focus is F (0,-a) and directrix is the line v=a, then equation of the parabola is:	A. x² = 4ay B. y² = 4ax C. y² = -4ax D. x² = 4ax
3	A prime number can be a factor of a square only if it occurs in the square at least	A. Once B. Thirce C. Twice D. None of these
4	x is a member of the set [-1, 0, 3, 5] y is a member of the set {-2, 1, 2, 4} which is possible?	A. x - y = -6 B. x - y < -6 C. x - y > -6 D. None
5	Which of the following is a vector.	A. distance B. temperature C. energy D. acceleration
6	If n is any positive integer then $n^2 > n + 3$ for	
7	*P∉A means*	A. Pis subset of A B. Pis an element of A C. P does not belongs to A D. A does not element of P
8	Question Image	
9	Question Image	A. 9/4 B. 4/9 C. 1 D. None of these
10	Question Image	A. I B. 14 I C. 0 D. None of these
11	Every real number is	A. a positive integer B. a rational number C. a negative integer D. a complex number
12	Question Image	A. 2x B. 3x² C. 1 D. 0
13	Question Image	
14	Question Image	
15	Question Image	A. 7 B. 5 C. 6 D. None of these
16	The value of x, and y, when $(x + iy)^2 = 5 + 4i$	A. X = 2, y = 1 B. X = -2, y = 1 C. X = 2, y = -1 D. X = 2, y = 2
17	Question Image	A. 4 B. 6 C. 8 D. 10

18	Question Image	A. [0, 0, 0] B. [1, 0, 0] C. [0, 1, 0] D. [0, 0, 1]
19	w^{29}= _____	A. 0 B. 1 C. w D. w²
20	Question Image	A. π / 4 B. π / 6 C. π / 3 D. 2π / 3