Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	For trival solution |A| is	A. A B. |A| = 0 C. A = 0 D. |A|≠ 0
3	The radius of the circle $2x^2 + 2y^2 - 4x + 12y + 11 = 0$ is:	A. $\sqrt{4.5}$ B. $\sqrt{11}$ C. $\sqrt{29}$ D. $\sqrt{15}$
4	Question Image	A. 1 B. 2 C. -1 D. 0
5	The symbol _____ shall be used both for equation and identity	A.
6	The positive value of k for which the equation $x2 + kx + 64 = 0$ has one of the roots 0	A. 4 B. 64 C. 8 D. All values of k
7	Question Image	
8	Question Image	D. none of these
9	3, 6, 12,.... is	A. A.P B. G.P. C. H.P. D. None of these
10	Power set of difference set N-W is	A. Empty set B. Infinite set C. Singleton set D. {0,∅}
11	$\tan(-135°) = $ _____ θ	A. 0 B. 1 C. 2 D. 3
12	Apollonius was a:	A. Rocket B. Muslims scientist C. Greek mathematicians D. Method of finding conics
13	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
14	Question Image	
15	A function whose range is just one elements is called	A. One-one function B. Constant function C. Onto function D. Identity function
16	150°= _____	
17	If n is not natural number, then the expansion $(1 + x)^n$ is valid for	
18	A fraction in which the degree of the numerator is less than the degree of the denominator is called	A. Polynomial B. Equation C. Proper fraction D. Improper fraction
19	If x + y + 1 = 0 touches the parabola $y^2 = \lambda x$, then λ is equal to	A. 2 B. 4 C. 6 D. 8

20	A triangle has _____ elements	A. 3 B. 4 C. 5 D. 6