

Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 1/2 B. 3/5 C. 4/5 D. 1
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
3	The equation of the normal to the circle $x^2 + y^2 = 25$ at (4, 3) is	A. $3x - 4y = 0$ B. $3x - 4y = 5$ C. $4x + 3y = 5$ D. $4x + 3y = 25$
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
5	The set $\{\{a,b\}\}$ is	A. Infinite set B. Singleton set C. Two points set D. None
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
8	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
9	The line joining (1, 3) to (a, b) has unit gradient then	A. $a - b = -2$ B. $a + b = 0$ C. $a - b + 5$ D. $2a + 3b = 1$
10	$a + x$ is	A. A trinomial B. A binomial C. A monomial D. An equation
11	If A = (3, 8) and B = (5, 6), then the distance between A and B is	B. 2 C. 1 D. 6
12	If Z = (1,2), then $Z^{-1} = ?$	A. (0.2, 0.4) B. (-0.2, 0.4) C. (0.2, -0.4) D. (-0.2, -0.4)
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
14	A fraction in which the degree of the numerator is less than the degree of the denominator is called	A. Polynomial B. Proper fraction C. Rational fraction D. Mixed fraction
15	If the diagonal of a square has coordinates (1, 2) and (5,6) the length of a side is	A. 3 B. 4 C. 1 D. 5
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 30° B. 45° C. 60° D. 90°
17	Complex roots of real quadratic equation occur in	A. Conjugate pair B. ordered pair C. reciprocal pair D. quadratic function

18	A point of a solution region where two of its boundary lines intersect, is called	A. Boundary B. Inequality C. Half Plane D. Vertex
19	The conic is a parabola if	A. $e < 1$ B. $e > 1$ C. $e = 1$ D. $e = 0$
20	What is the domain of $y = \cot^{-1}x$?	A. Set of irrational number only B. Set of all real numbers C. Set of intergers only D. Set of complex numbers only
