

Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 10 B. 20 C. 40 D. 26
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 1/2 B. 3/5 C. 4/5 D. 1
3	If the 19th term of A.P is 8 and the 4th term is 20, then the first term is	A. 20.2 B. 25.5 C. 27.5 D. 37.5
4	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. $X = 2, y = 2$
5	If c is a constant number and if f is the function defined by the equation $f(x) = c$ for all values of x, then f is differentiable at every x and f is defined the equation $f(x) =$ _____	A. f B. 1 C. C D. 0
6	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. $4x + 3y = 25$
7	The conic is a parabola if	A. $e < 1$ B. $e > 1$ C. $e = 1$ D. $e = 0$
8	If any two rows (or any two columns) of a square matrix are inter changed, the determinant of the resultant matrix is	A. Same as the original determinant B. Additive inverse of the original determinant C. Both A and B D. Adj of the original matrix
9	The set of the first elements of the ordered pairs forming a relation is called its	A. Function on B B. Range C. Domain D. A into B
10	A die is thrown. What is the probability that there is a prime number on the top?	A. 1/2 B. 1/3 C. 1/6 D. 2/3
11	Which of the following is the subset of all sets?	B. {1, 2, 3} D. {0}
12	Period of $\sin 2x =$	
13	If in isosceles right angled triangle, one side is a then hypotenuse is	C. a D. cannot be determined by given information
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
15	The set $\{\{a, b\}\}$ is	A. Infinite set B. Singleton set C. Two points set D. None
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
17	If A and B are two events, then $P(A \cup B) = ?$ (when A and B are disjoint)	A. $P(A) - P(B)$ B. $P(A) \times P(B)$ C. $P(A) + P(B)$
		A. 1 B. 0

18	Question Image	B. 0 C. -2 D. 3
19	If A and B are matrices such that $AB=BA=I$ then	A. A and B are multiplicative inverse of each other B. A and B are additive inverses of each other C. A and B are singular matrices D. A and B are equal
20	If you are looking a high point from the ground, then the angle formed is	A. Angle of elevation B. Angle of depression C. Right angle D. Horizon