

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	If $n(A) = n$ then $n(P(A))$ is	A. $2n$ B. $n^{2/2}$ C. $n/2$ D. $2^{n/2}$
3	The span of a standard parabola depends upon	A. x B. a C. y D. y^2
4	Question Image	A. square root function B. identity function C. linear function D. quadratic function
5	Question Image	
6	Question Image	A. 1 B. 0 C. 3 D. -3
7	The set of the first elements of the ordered pairs forming a relation is called its	A. Relation in B B. Range C. Domain D. Relation In A
8	Question Image	
9	For a square matrix A, if $A = A^t$, then A is called	A. matrix B. Transpose C. Symmetric D. Non-symmetric
10	Question Image	A. $\sin x + c$ B. $-\sin x + c$ C. $\cos x + c$ D. $-\cos x + c$
11	The exterior angle of the interior angle C of the quadrilateral whose vertices are A(5,2), B(-2,3), C(-3,-4), D(4,-5) is	A. 30° B. 60° C. 45° D. 90°
12	the curve of the parabola $y^2 = -4ax$ is symmetric with respect to	A. x-axis B. y-axis C. Both x and y-axis D. None of these
13	$ab > 0$ and $a > 0$ then	A. $a > b$ B. $a < b$ C. $a = b$ D. None
14	Question Image	
15	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. $a = 5, b = -3$
16	$\tan 360^\circ =$ _____	A. -1 B. 0 C. 1 D. Undefined
17	Question Image	A. 0 B. 1 C. 2 D. none of these

18	If $x^3 + 4x^3 - 2x + 5$ is divided by $x - 1$, then the remainder is	B. 6 C. 4 D. None of these
19	Domain of $y = \sec x$ is	A. All real numbers except $\pi/2 + n\pi$ B. \mathbb{R} C. All negative integers D. None of these
20	The number of proper subset of $A = \{a, b, c, d\}$ is	A. 3 B. 6 C. 8 D. 15