

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If the cutting plane is slightly tilted and cuts only one nappe of the cone, the intersection is	A. an ellipse B. a hyperbola C. a circle D. a parabola
2	Question Image	
3	$i^9 =$	A. $i^{>2}</sup>$ B. -1 C. 1 D. i
4	Question Image	A. At B. -A C. A D. A-1
5	The domain of an infinite sequence is a	A. Set of natural numbers B. R C. Subset of N D. None of the above
6	The equation of a line parallel to the tangent to the circle $x^2 + y^2 = 16$ at the point (2, 3) and passing thro' the origin is	A. $2x + 3y = 0$ B. $2x - 3y = 0$ C. $3x + 2y = 0$ D. $3x - 2y = 0$
7	The positive integer just greater than $(1+0.0001)^{10000}$ is	A. 4 B. 5 C. 2 D. 3
8	The feasible region which can be enclosed within a circle is called	A. Bounded region B. Convex region C. Unbounded region D. None
9	A point of a solution regions where two of its boundary lines intersect, is called:	A. Vertex of the solution B. Feasible point C. Point of inequality D. Null point of the solution region
10	A triangle has ____ elements	A. 3 B. 4 C. 5 D. 6
11	Question Image	
12	Question Image	
13	If one end of the diameter of the circle $x^2 + y^2 - 5x - 3y - 22 = 0$ is (3,4) the other end is:	A. (2,7) B. (-2,-7) C. (-2,7) D. (2,-7)
14	How many arrangements of the letters of the word MISSIPPI, taken all together can be made?	
15	Question Image	
16	Question Image	A. y/x B. x/y C. y/z D. None
17	The tangents drawn from the point P to a circle are real and coincident if	A. P is on the circle B. P is inside the circle C. P is outside the circle D. none of these
18	Question Image	

A. A.P

19 3, 6, 12,.... is

- B. G.P.
- C. H.P.
- D. None of these

20 Name the property used in $a(b-c) = ab - ac$

- A. commutative property of multiplication
- B. distributive property of multiplication
- C. associative property of multiplication
- D. multiplicative inverse