

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. A complex number B. A rational number C. A natural number D. An irrational number
2	(1, 2) is in the solution of the inequality	A. $2x + y \geq 8$ B. $2x + y < 6$ C. $2x - y \geq 1$ D. $2x + 3y \leq 2$
3	The distance between the points A(3,1) and B(-2,-4) is	A. 5 C. 25 D. 10
4	Question Image	A. 1 B. -1 C. 0 D. None of these
5	1/3 is _____	A. A prime number B. An integer C. A rational number D. An irrational number
6	A and B be two square matrices and if their inverse exist the $(AB)^{-1} =$	A. A-1 B-1 B. AB-1 C. A-1B D. B-1A-1
7	A = B if	D. A is equivalent to B
8	E-radius corresponding to < B is	
9	The projections of a line segment on x, y, z axes are 12, 4, 3. The length and the direction cosines of the line segment are	
10	The point of concurrency of the right bisectors of the sides of a triangle is called	A. incentre B. circum center C. e-center D. centroid
11	Question Image	
12	Question Image	A. 1 B. 2 C. 3
13	The quadratic equation $8 \sec^2\theta - 6 \sec\theta + 1 = 0$ has	A. Infinitely many roots B. Exactly two roots C. Exactly four roots D. No roots
14	The points (x, y) which satisfy a linear inequality in two variables x and y from its	A. domain B. range C. solution D. none of these
15	$w^{28} + w^{38} =$ _____	A. 0 B. 1 C. w D. -1
16	Question Image	D. none of these
17	The equation of motion of a stone thrown vertically up wards is $s = ut - 4.9t^2$ the maximum height attained by it =	
18	Question Image	
19	How many arrangements of the letters of the word ADDING can be made	
20	The three noncollinear points through which a circle passes are known then we can find the	A. Variables x and y B. Value of x and c

If the three noncollinear points through which a circle passes are known, then we can find the:

- C. three constants  $f, g$  and  $c$
  - D. inverse of the circle
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