

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The range of $y = \cot x =$ _____	<p>A. <span style='color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 24px; text-align: center; background-color: rgb(255, 255, 248);'>A. <math>-\infty &lt; y &lt; +\infty</math></span></p> <p>B. <span style='font-family: "Times New Roman"; font-size: 24px; color: rgb(34, 34, 34); text-align: center; background-color: rgb(255, 255, 248);'>B. <math>-\infty &lt; x &lt; +\infty</math></span></p> <p>C. <span style='font-family: "Times New Roman"; font-size: 24px; color: rgb(34, 34, 34); text-align: center; background-color: rgb(255, 255, 248);'>C. <math>y \in \mathbb{R}</math></span></p> <p>D. None of above</p>
2	Circumcentre of the triangle, whose vertices are (0, 0), (6, 0) and (0, 4) is	<p>A. (2, 0)</p> <p>B. (3, 0)</p> <p>C. (0, 3)</p> <p>D. (3, 2)</p>
3	Question Image	D. none of these
4	Question Image	
5	$(a,0) \times (c,0) =$	<p>A. (0,ac)</p> <p>B. (ac,0)</p> <p>C. (0,0)</p> <p>D. (a,c)</p>
6	The number of significant numbers which can be formed by using any number of the digits 0, 1, 2, 3, 4 but using each not more than once in each number is	<p>A. 260</p> <p>B. 356</p> <p>C. 410</p> <p>D. 96</p>
7	Question Image	
8	Question Image	
9	The span of a standard parabola depends upon	<p>A. x</p> <p>B. a</p> <p>C. y</p> <p>D. <math>y^2</math></p>
10	$(7, 9) + (3, -5) =$	<p>A. (4, 4)</p> <p>B. (10, 4)</p> <p>C. (9, -5)</p> <p>D. (7, 3)</p>
11	A fraction in which the degree of the numerator is less than the degree of the denominator is called	<p>A. Polynomial</p> <p>B. Equation</p> <p>C. Proper fraction</p> <p>D. Improper fraction</p>

12	Range of $\sin \theta$ is	
13	The 6th term of an arithmetic sequence whose first term is 3 and common difference in zero is	A. 18 B. 6 C. 3 D. 0
14	In a quadratic equation with leading co-efficient 1, a student reads the co-obtain the roots as - 15 and -4. The correct roots are	A. 6, 10 B. -6, -10 C. 8, 8 D. -8, -8
15	$x^2 + x - 6 = 0$ is a conditional equation and it is true for	A. 2, 3 B. 2, -3 C. -2, -3 D. -2, 3
16	Question Image <input type="text"/>	A. 3 x 1 B. 1 x 3 C. 3 x 3 D. 1 x 1
17	Question Image <input type="text"/>	A. 0 B. 1
18	A statement which is either true or false is called	A. Induction B. Deduction C. Proposition D. Logic
19	A quadrilateral whose diagonals are perpendicular bisector of each other is	A. Square B. Rectangle C. Rhombus D. Parallelogram E. Trapezium
20	Question Image <input type="text"/>	