

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Roots of the equation $x^2 + 7x + 12 = 0$ are	A. {3, -4} B. {-3, 4} C. {3, 4} D. {-3, -4}
2	Question Image	A. The law of sines B. The law of tangents C. The law of cosines D. None of these
3	Question Image	
4	In $(x + iy)$, y is called as	A. Imaginary part B. Complex number C. Real part D. None of above
5	Question Image	A. 5 B. 20 C. 9 D. 4
6	Question Image	
7	To each element of a group there corresponds inverse element	A. Two B. One C. No D. Three
8	The number of the diagonals of a 6 sided figure is	A. 15 B. 21 C. 9 D. 6
9	Derivative of a w.r.t x is	A. 0 B. 1 C. x D. x
10	A matrix in which the number of rows is equal to the number of columns is called a	A. Diagonal matrix B. Rectangular matrix C. Square matrix D. Scalar matrix
11	Question Image	D. none of these
12	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
13	No term of a geometric sequence can be	A. 0 B. 1 C. 2 D. 3
14	For an arithmetic series to be convergent it is necessary that the series has	A. Finite terms B. $d \neq 0$ C. Infinite terms D. None of these
15	The set $\{1, 2, 3, 4, \dots\}$ is called	A. Set of Natural numbers B. Set of whole numbers C. Set of rational number D. Set of irrational numbers
16	Question Image	A. $2x + 2y$ B. $4 - x^{>2}</sup>$ C. $-x/y$ D. x/y
17	Question Image	
18	QUQ'	

19

$$\tan \theta/2$$

20

Question Image

D. all are correct