

## Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Question Image	A. A linear equation B. A cubic equation C. A quadratic equation D. An equation for circle
2	Question Image	
3	Question Image	D. None of these
4	Question Image	D. None
5	If 1 + Cos x = 0, then x =	
6	The graph of a quadratic function is	A. Circle B. Ellipse C. Parabola D. Hexagon
7	The difference of two consecutive terms of an A.P. is called	A. Constant of series B. Common ratio C. Common difference D. General term
8	Sin(a + b) + Sin (a - b) =	A. Sin a Cos b B. Sin a Sin b C. Sin a + Cos b D. Sin a - 2 Cos b
9	Question Image	
10	If A and B are two events, then P(AUB) = ? (when A and B are disjoint)	A. P(A) - P(B) B. P(A) x P(B) C. P(A)+P(B)
11	The common difference of the sequence 7,4,1, is	A. 1 B3 C. 5 D. 0
12	In general matrices do not satisfy	A. Commutative law w.r.t multiplication B. Associative law w.r.t addition C. Distributive law w.r.t addition D. Multiplication of a scalar with the matrix
13	The number of diagonals of a six sided figure are	A. 9 B. 6 C. 12 D. 3
14	If $-1 < x < 0$ , which of the following statements must be true?	A. x < x <sup>2</sup> < x <sup>3</sup> B. x < x <sup>3</sup> < x <sup>2</sup> C. x <sup>2</sup> < x <sup>3</sup> < x <sup>3</sup> < x <sup>3</sup> < x <sup>3</sup> < x
15	The magnitude of a vector can never be	A. Zero B. Negative C. Positive D. Absolute
16	Question Image	A. 15 B. 15 i C15 i D15
17	Question Image	A. 1 B. 2 C. 3

	D. 4
Question Image	A. Unit matrix B. Diagonal matrix C. Nilpotent matrix D. Zero matrix
Question Image	D. None
The set of the first elements of the ordered pairs forming a relation is called its	A. Function on B B. Range C. Domain D. A into B