

## Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Every prime number is also	A. Rational number B. even number C. Irrational number D. multiple of two numbers
2	$\frac{3}{2}$ is	A. An irrational number B. Whole number C. A positive integer D. A rational number
3	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
4	The multiplicative inverse of x such that $x = 0$ is	A. -x B. does not exist C. $\frac{1}{x}$ D. 0
5	The line joining (1, 3) to (a, b) has unit gradient then	A. $a - b = -2$ B. $a + b = 0$ C. $a - b + 5$ D. $2a + 3b = 1$
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
8	The multiplicative inverse of -1 in the set $\{-1, 1\}$ is	A. 1 B. -1 C. $\frac{1}{-1}$ D. 0
9	120 degrees are equal to how many radians?	
10	The constant distance of all points of the circle from its centre is called the	A. Radius of the circle B. Secant of the circle C. Chord of the circle D. Diameter of the circle
11	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
12	If the 19th term of A.P is 8 and the 4th term is 20, then the first term is	A. 20.2 B. 25.5 C. 27.5 D. 37.5
13	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
14	The complement of set A relative to universal set U is the set	D. $A - U$
15	If $0 < n < 1$ , n is a rational number, the number of terms in the expansion of $(1 + X)^n$ are	A. $n + 1$ B. $2n$ C. Infinitely many D. $2n + 2$
16	The perpendicular bisector of any chord of a circle	A. Passes through the centre of the circle B. Does not pass through the centre of the circle C. May or may not pass through the centre of the circle D. None of these
17	Question Image <input style="width: 500px; height: 20px;" type="text"/>	D. -2-i
18	The number of diagonals of a six sided figure are	A. 9 B. 6

18 The number of diagonals of a six sided figure are

- C. 12
- D. 3

19 Question Image

- A. An equation
- B. Linear equation
- C. Rational fraction
- D. Identity

20 Question Image