

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If $\Delta ABC$ is right triangle then the law of Cosines reduces to	A. The Pythagoras Theorem B. The law of Sines C. The law of cosines D. The law of tangents
2	The synthetic division method is only used to divide a polynomial by	A. quadratic equation B. binomial C. linear equation D. monomial
3	Find the next two terms of 7, 9, 12, 16,...	A. 18, 20 B. 19, 22 C. 20, 25 D. 21, 27
4	When a selection of object is made without paying regard to the order of selection, it is called	A. Sequence B. Series C. Combination D. Permutation
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
6	Which of the following is the subset of all sets	A. $\Phi$ B. $\{1,2,3\}$ C. $\{\Phi\}$ D. $\{0\}$
7	There is no integer n for which 3n is	A. Even B. Prime C. Odd D. Real
8	A quadratic equation has two	A. roots B. degree C. variables D. constants
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 3K B. K2 C. K3 D. K
10	The condition for polynomial equation $ax^2 + bx + c = 0$ to be quadratic is	A. $a > 0$ B. $a < 0$ C. $a \neq 0$ D. $a \neq 0, b \neq 0$
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Closure law of addition B. Associative law of addition C. Commutative law of multiplication D. Associative law of multiplication
12	How many types of an equation	A. 1 B. 3 C. 2 D. None
13	Z is a	A. Infinite set B. Finite set C. Singleton set D. Set of all integers
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $360^\circ$ B. $180^\circ$ C. $90^\circ$ D. None of these
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
16	$(ABC)' =$	A. CBA' B. CBA C. C' B' A' D. None of these

17	The distance of the point (2, -3) from x-axis is	A. 5 B. -3 C. 2 D. 3
18	The set of natural is a semi group w.r.t	A. Addition B. Division C. Subtraction D. None of these
19	In R, the multiplicative identity is	A. 0 B. 1 C. -1 D. None
20	The latus rectum of the ellipse $5x^2 + 9y^2 = 45$ is	A. 10 / 3 B. 5 / 3 C. 3 / 5 D. 3 / 10