

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. A rational number B. A natural number C. An irrational number D. An integer
2	An observer on the top of a cliff 200 m above the sea level, observes the angles of depression of two ships on opposite sides of the cliff to be $45^\circ$ and $30^\circ$ , respectively. The distance between the ships if the line joining them points to the base of cliff is	
3	A and B be two square matrices and if their inverse exist the $(AB)^{-1} =$	A. $A^{-1} B^{-1}$ B. $AB^{-1}$ C. $A^{-1}B$ D. $B^{-1}A^{-1}$
4	The distance of the point $(-2, -3)$ from the origin is	A. 2 B. -5 C. -3
5	The liner equation $ax + by = c$ is called _____ of the inequality $ax + by > c$ .	A. Associated equation B. Non-associated equation C. disjoint equation D. Feasible equation
6	A triangle has six	A. side B. elements C. angle D. tangents
7	Question Image	
8	Domain of tangent function is	
9	Question Image	
10	Question Image	
11	The transpose of a column matrix is a _____	A. Zero matrix B. Diagonal matrix C. Column matrix D. Row matrix
12	A square matrix all of whose elements except the main diagonal are zeros is called a	A. Null matrix B. Singular matrix C. Symmetric matrix D. Diagonal matrix
13	$\tan(\pi - \theta) =$ _____;	A. $\tan\theta$ B. $\cot\theta$ C. $-\tan\theta$ D. $-\cot\theta$
14	Question Image	A. 0 B. 1 C. 8 D. <span style='color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 24px; text-align: center; background-color: rgb(255, 255, 224);'>&gt;&lt;i&gt;&lt;/i&gt;&lt;/span&gt;</span>
15	There are 16 point in a plane, in which 6 are collinear. how many lines can be drawn by joining these points?	A. 10 B. 66 C. 71 D. 106
16	Question Image	D. none of these
17	$p(x) = 2x^4 - 3x^3 + 2x - 1$ is polynomial of degree	A. 1 B. 2 C. 3 D. 4
18	Question Image	

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Question Image

- A. Associative property of addition
- B. Commutative property of addition
- C. Distributive property
- D. Additive identity

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Question Image