

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The set of rational number is represented by	A. W B. R C. Q' D. \mathbb{Q}
2	Question Image	
3	The set of complex numbers forms	A. Commutative group w.r.t addition B. Commutative group w.r.t multiplication C. Commutative group w.r.t division D. Non commutative group w.r.t addition
4	Question Image	
5	Onto function is also called	A. Bijective function B. Injective function C. Surjective function D. None of these
6	Question Image	
7	$\cos^{-1}(x) =$	A. $\cos x$ B. x C. $\tan^{-1}(-x)$ D. $\sec^{-1}(1/x)$
8	Probability of an impossible event is	A. 0 B. -1 C. 1 D. ∞
9	A non-homogeneous linear system $AX = B$ has no solution if	A. $ A = 0$ B. $ A \neq 0$ C. Rank (a) = no of variables D. Rank \geq no of variables
10	The negation of a number	A. a relation B. a function C. unary operation D. binary operation
11	If $A = [a_{ij}]$ is $(m \times n)$ matrix, then transpose of A is of the order	A. $m \times m$ B. $m \times n$ C. $n \times n$ D. $n \times m$
12	Question Image	A. 2 B. -1 C. 8 D. not defined
13	$2x + 3y > 4$ is a linear inequality in	A. one variable B. two variables C. three variables D. none of these
14	Question Image	A. 0 B. 1 C. -1 D. None of these
15	Sum of n terms of a geometric series if $ r < 1$ is	
16	Question Image	
17	The number of the diagonals of a 6 sided figure is	A. 15 B. 21 C. 9 D. 6
18	The consecutive terms of a progressions are 30, 24, 20. The next term of the progression is	

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Question Image

- A. 1
- B. -1
- C. 0
- D. None of these

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The real numbers which satisfy an inequality form its

- A. solution
- B. coefficient
- C. domain
- D. range