

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	
3	Question Image	
4	Question Image	
5	Question Image	
6	The many subset can be formed from the set {a,b,c,d}	A. 8 B. 4 C. 12 D. 16
7	$\forall a, b \in \mathbb{R}, ab = ba$ is a	A. Commutative law of multiplication B. Closure law of multiplication C. Associative law of multiplication D. Multiplicative identity
8	Question Image	A. $-\operatorname{cosec}^2 x$ B. $-\sec^2 x$ C. $-\operatorname{cosec} x \cot x$ D. $\operatorname{cosec} x$
9	Given two numbers a and b. Let A denote the single A.M. between these and S denote the sum of n A.M.'s between them. Then S/A depends upon	A. n, a, b B. n, a C. n, b D. n
10	If x is an image of y under the function f. This can be written as	A. $y = f(x)$ B. $f(x) = 0$ C. $x = f(y)$ D. $f(y) = 0$
11	The real numbers which satisfy an inequality form its	A. solution B. coefficient C. domain D. range
12	Question Image	A. 0 B. 1 C. -1 D. None of these
13	Question Image	A. -1 B. 0 C. 2 D. 1
14	Question Image	A. $-\sin \theta$ B. $\cos \theta$ C. $\sin \theta$ D. $-\cos \theta$
15	Question Image	A. Biconditional B. Implication

		C. Antecedent D. Hypothesis
16	Question Image	A. $360^\circ$ B. $180^\circ$ C. $90^\circ$ D. None of these
17	Question Image	A. $[0, 1[$ B. $[0, 1]$ C. $]0, 1[$ D. None of these
18	Question Image	
19	If the sum of two unit vectors is a unit vector the the magnitude of their difference is	A. $\sqrt{2}$ B. $\sqrt{3}$ C. 1 D. None of these
20	A vector with magnitude one is called	A. constant vector B. unit vector C. zero vector D. null vector