

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	A vector with magnitude one is called	A. constant vector B. unit vector C. zero vector D. null vector
2	In order of A is $m \times n$ and order of B is $n \times p$ then order of AB is	A. $m \times m$ B. $n \times n$ C. $m \times p$ D. $p \times m$
3	$(1 - x)^3 =$ _____	A. $1 + 3x + 3x^2 + x^3$ B. $1 + x + x^2 + x^3$ C. $1 - x + x^2 - x^3$ D. $1 - 3x + 3x^2 - x^3$
4	The period of $\csc 10x$ is _____	
5	Question Image	
6	8 . 7 . 6 . 5 in factorial form is	
7	If x, y, z are the p th, q th, r th terms of an A.P. and also of G.P., then $x^q \cdot y^z \cdot z^x$ equals	A. xyz B. 0 C. 1 D. None of these
8	The points A(+1,-1), B(3,0), C(3,7), D(1,8) are vertices of	A. Square B. Parallelogram C. Rectangle D. Trapezium
9	The number of different ways of describing a set is	A. One B. Two C. Three D. Four
10	There is no integer n for which $3n$ is	A. Even B. Prime C. Odd D. Real
11	Question Image	
12	Roots of the equation $x^2 + 5x - 1 = 0$ are	A. Rational B. Irrational C. Complex D. None of these
13	The domain of $y = \sqrt{x^2 - 9}$ is	A. R B. $(0, +\infty)$ C. $(-\infty, -3) \cup (3, +\infty)$ D. $(0, \infty)$
14	Question Image	
15	Question Image	A. 0 B. 1 D. none of these
16	Question Image	
17	A circle drawn inside a triangle and touching its sides is called	A. In-circle B. Circum circle C. Escribed circle D. None of these
18	Question Image	A. Closure law of addition B. Closure law of multiplication C. Commutative law of addition D. Commutative law of multiplication

D. Commutative law of multiplication

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Question Image

A. $\frac{1}{8}$

B. $\frac{1}{2}$

C. $\frac{1}{4}$

D. $\frac{1}{6}$

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Question Image

D. none of these