

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	<input type="text" value="Question Image"/>	
2	Which of the following is a scalar.	A. electric field B. magnetic field C. weight D. mass
3	<input type="text" value="Question Image"/>	
4	Arithmetic mean between a and b is	
5	Name the property used in $a(b-c) = ab - ac$	A. commutative property of multiplication B. distributive property of multiplication C. associative property of multiplication D. multiplicative inverse
6	If $ax + bx + c = 0$ is satisfied by every value of x, then	A. $b = 0, c = 0$ B. $c = 0$ C. $b = 0$ D. $a = b = c = 0$
7	If $f(x) = x $, then (0,0) is the	A. Critical point B. Inflection point C. Stationary point D. None of these
8	$\forall x \in (a,b), f(x)$ is increasing if	A. $f'(x) > 0$ B. $f'(x) \leq 0$ C. $f''(x) > 0$ D. $f''(x) = 0$
9	The set of the first elements of the ordered pairs forming a relation is called its	A. Relation in B B. Range C. Domain D. Relation in A
10	$w^{73} = \underline{\hspace{2cm}}$	A. 0 B. 1 C. w D. w^{22}
11	Through how many radians does the minute hand of a clock turn in one hour	
12	The point _____ is in the solution of the inequality $4x - 3y < 2$	A. (0,1) B. (2,1) C. (2,2) D. (3,3)
13	The positive real number which is the measure of the length of a vector is called the	A. Unit vector B. Modulus C. Inverse D. None of these
14	If the roots of $x^2 + ax + b = 0$ are non-real, then for all real x, $x^2 + ax + b$ is	A. Negative B. Positive C. Zero D. Nothing can be said
15	<input type="text" value="Question Image"/>	
16	Group of non-singular matrices under multiplication is	A. None-Abelian group B. Semi group C. Abelian group D. None of these
17	<input type="text" value="Question Image"/>	
18	$ax + by < c$ is linear inequality in	A. four variables B. three variables C. two variables D. one variable

19

Cofactor of an element a_{ij} is defined by

- A. $(-1)^{i+j}|A|$
- B. $(-1)^{i+j}M_{ij}$
- C. $(-1)^{i+j}M_{j-1}$
- D. None of these

20

Question Image

- A. Reciprocal equation
- B. Exponential equation
- C. Radical equation
- D. None of these