

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	<input type="text" value="Question Image"/>	
2	<input type="text" value="Question Image"/>	
3	The third term in the expansion of $(1+2x)$ is	A. $-2x^2$ B. $-4x^2$ C. $2x^2$ D. $4x^2$
4	<input type="text" value="Question Image"/>	A. Reciprocal equation B. Exponential equation C. Radical equation D. None of these
5	If $y=f(x)$ is a function then x is called	A. dependent variable B. independent variable C. constant D. none of these
6	The sum of even coefficient in the binomial expansion is	A. 2^{n+1} B. 2^n C. 2^{n-1} D. $2n$
7	<input type="text" value="Question Image"/>	A. perpendicular vectors B. concurrent vectors C. parallel vectors D. none of these
8	Which of the following is a vector.	A. work B. time C. density D. electric field
9	Every identity matrix is	A. Row-vector B. Scalar C. Column-vector D. All
10	<input type="text" value="Question Image"/>	A. 45° B. 30° C. 75° D. 60°
11	<input type="text" value="Question Image"/>	
12	$\{x : x \in \mathbb{Z} \text{ and } x < 1\}$ is	A. Singleton set B. A set with two points C. Empty set D. None of these
13	The roots of the equation $ax^2 + bx + x = 0$ are real and distinct if	A. $b^2 - 4ac < 0$ B. $b^2 - 4ac = 0$ C. $b^2 - 4ac > 0$ D. None of these
14	If A and B are two matrices such that $AB = B$ and $BA = A$ then $A^2 + B^2 =$	A. $2AB$ B. $2BA$ C. $A + B$ D. AB
15	<input type="text" value="Question Image"/>	A. 1 B. $1/2$ C. 0 D. None
16	<input type="text" value="Question Image"/>	D. none of these
17	Matrices $A = [a_{ij}]_{2 \times 3}$ and $B = [b_{ij}]_{3 \times 2}$ are suitable for	A. BA B. A^2 C. AB D. B^2
18	<input type="text" value="Question Image"/>	

19

Question Image

- A. -3
- B. -7
- C. 1
- D. 0

20

Question Image

- A. additive property
- B. multiplicative property
- C. additive identity
- D. multiplicative identity