

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	$f(x) = 1$ is	A. identity function B. constant function C. linear function D. quadratic function
2	Question Image	
3	The contra positive of $p \rightarrow q$ is	A. $q \rightarrow p$ B. $\sim q \rightarrow \sim q$ C. $\sim p \rightarrow \sim q$ D. None of these
4	Three integers are chosen at random from the first 20 integers. Then probability that their product is even, is	A. $2 / 19$ B. $3 / 29$ C. $17 / 19$ D. $4 / 19$
5	$\forall a, b \in R, ab = ba$ is a	A. Commutative law of multiplication B. Closure law of multiplication C. Associative law of multiplication D. Multiplicative identity
6	The number of subsets of $B = \{1, 2, 3, 4, 5\}$	A. 10 B. 32 C. 16 D. 5
7	The additive inverse of a matrix A is	D. None of these
8	If the cutting plane is parallel to the axis of the cone and intersects both of its nappes, then the curve of intersection is:	A. an ellipse B. a circle C. a parabola D. a hyperbola
9	Question Image	
10	The distance of the point (a,b) from y-axis is	A. a B. b C. a + b
11	Question Image	A. An ellipse B. A parabola C. A circle D. A hyperbola
12	If A is a non-singular matrix then adj A is	A. Non-singular B. Symmetric C. Singular D. Non defined
13	Question Image	A. $\sec 3x + c$ B. $-\operatorname{cosec} 3x + c$
14	The only function which is both even and odd is	A. $f(x) = \alpha$ B. $f(x) = x$ C. $f(x) = 0$ D. Both A & B
15	The additive inverse of 1 is	A. 1 B. -1 C. 0 D. Does not exist
16	Question Image	
17	Any point, where f is neither increasing nor decreasing and $f(x) = 0$ at that point, is called a	A. Minimum B. Maximum C. Stationary point D. Constant point
18	Question Image	
19	For any real numbers x, y, $w \neq 0 \Rightarrow$	A. $x \neq 0 \wedge y \neq 0$ B. $x = 0 \wedge y = 0$

19 For any real numbers $x, y, xy = 0 \Rightarrow$

- C. $x = 0$
- D. $y = 0$

20 The set of the first elements of the ordered pairs forming a relation is called its

- A. Function on B
- B. Range
- C. Domain
- D. A into B