

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	$(a-1)^{-1} =$	A. a^{-1} B. a C. $-a$ D. None of above
2	A point (x,y) which satisfy a linear inequality in two variables form its	A. Solution B. Domain C. Range D. None
3	The fifth term of the sequence $a_n = 2n + 3$ is _____	A. 13 B. -13 C. 8 D. 3
4	Question Image <input style="width: 100%;" type="text"/>	A. 2 C. -2 D. none of these
5	Z is the set of integers (Z^*) is a group with $a * b = a + b + 1$, $a, b \in G$. then inverse of a is	A. $-a$ B. $a + 1$ C. $-1 - a$ D. None of these
6	Question Image <input style="width: 100%;" type="text"/>	A. 3×2 B. 2×3 C. 3×3 D. 2×2
7	If $f(x) = x^2$ then $f(0)$ is	A. 0 B. 1 C. 2 D. none of these
8	Question Image <input style="width: 100%;" type="text"/>	A. 0 C. 1
9	What is the number of elements of the power set of $\{0, 1\}$	A. 1 B. 2 C. 3 D. 4
10	Question Image <input style="width: 100%;" type="text"/>	A. 2 B. 6
11	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
12	x is a member of the set $[-1, 0, 3, 5]$ y is a member of the set $\{-2, 1, 2, 4\}$ which is possible?	A. $x - y = -6$ B. $x - y \leq -6$ C. $x - y \geq -6$ D. None
13	Question Image <input style="width: 100%;" type="text"/>	
14	Coordinates of the focus of the parabola $x^2 - 4x - 8y - 4 = 0$ are:	A. $(0, 2)$ B. $(0, 1)$ C. $(2, 0)$ D. $(1, 2)$
15	Question Image <input style="width: 100%;" type="text"/>	
16	For a positive integer n	A. $n! = n(n + 1)$ B. $n! = n(n+1)!$ C. $n! = n(n - 1)$ D. $n! = n(n - 1)!$
17	The area between the x -axis the curve $y = 4x - x^2$ is :	A. $32/2$ B. 15 C. 18 D. 21

18	Question Image	
19	Range of $\tan\theta$ is	A. Set of complex numbers B. Set of real numbers C. Set of odd numbers D. Set of positive integers only
20	The equation $x^2 + y^2 = 0$ represents	A. A circle B. A degenerate circle C. An empty set D. A st. line