

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	A. 0 B. -1 C. 1/2 D. 1
2	(0,0) is in the solution of the inequality	A. $x + y \geq 3$ B. $x - y \geq 2$ C. $3x + 2y \geq 5$ D. $3x - 2y \geq 2$
3	Question Image	
4	The geometrical representation of a linear function is	A. Circle B. Parabola C. Straight line D. None of these
5	$ax^2 + 2hxy + by^2 + 2gx + 2fy + c = 0$ may represent an ellipse if	A. $h^2 - ab < 0$ B. $h^2 - ab \neq 0$ C. $h^2 - ab = 0$ D. $h^2 - ab > 0$
6	Inverse of the function $y = 10x$ is	A. $y = \log x$ B. $y = \ln x$ C. $x = 10y$ D. $x = 10y$
7	Question Image	
8	The set of natural no. is closed under	A. multiplication B. subtraction C. difference D. division
9	If the focus lies on the y-axis with coordinates $f(0,a)$ and directrix of the parabola is $y = -a$, the equation of parabola is:	A. $y^2 = -4ax$ B. $x^2 = 4ay$ C. $x^2 = -4ay$ D. $y^2 = 4ax$
10	Question Image	A. $\cos 2x$ B. $2 \cos 2x$ C. $2 \sin 2x$ D. $-2 \cos 2x$
11	If n is a negative integer $n!$ is	A. 1 B. 0 C. Unique D. Not defined
12	If $ a = b = a + b = 1$, then $ a + b = 5$, then $ a - b =$	A. 4 B. 6 C. 5 D. 3
13	A conjunction of two statement p and q is true only if	A. p is true B. q is true C. Both p and q are true D. both p and q are false
14	$\tan 180^\circ =$ _____	A. -1 B. 0 C. 1 D. Undefined
15	If $f(x) = -x^2$ then $f(-2)$ is	A. -2 B. 2 C. -4 D. 4
16	Question Image	
17	Question Image	
18	Question Image	

19 O is _____

- A. A positive integer
- B. A negative integer
- C. A natural number
- D. An integer

20 Domain of $\sin x$ is _____