

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	An even function is symmetric about the line	A. $y = x$ B. $x = 0$ C. $y = -x$ D. $y = 0$
2	The range of the function $f : x \rightarrow y$ is defined by	A. $\{x \mid y = f(x) \forall x \in X \wedge y \in y\}$ B. $\{(x,y) \mid y = f(x) \forall x \in X\}$ C. $\{y \mid y = f(x) \forall x \in X \wedge y \in y\}$ D. Y
3	The solution of the quadratic equation $x^2 - 7x + 10 = 0$, is	A. 2 B. 5 C. 2,5 D. 7
4	The set of positive integers, 0 and negative integers is known as the set of	A. Natural numbers B. Rational numbers C. All integers D. Irrational numbers
5	Period of $3 \sin x$ is _____	
6	If $x-2$ and $x-1$ both are factors of $x^3 - 3x^2 + 2x - 4p$, then P must equal to	A. 1 B. 2 C. 0 D. -2
7	Question Image	
8	Question Image	
9	Question Image	A. -10 B. 10/7 C. -10/7 D. -7/10
10	Question Image	
11	Domain of $\cosh x$ is	A. R B. $R - \{0\}$ C. $[1, \infty)$ D. $[0, \infty)$
12	Riaz, Saba, Maria, Shehzad are to give speeches in a class. The teacher can arrange the order of their presentation in	A. 4 ways B. 12 ways C. 256 ways D. 24 ways
13	The 31 term of the A.P 5,2,-1.....is	A. -82 B. 82 C. 85 D. -85
14	If $f(x) = x^2$ then $f(0)$ is	A. 0 B. 1 C. 2 D. none of these
15	A chord passing through the centre of the circle is called	A. the secant of the circle B. the tangent of the circle C. the arc of the circle D. the diameter of the circle
16	If $Z_1 = 1 + i$, $Z_2 = 2 + 3i$, then $ Z_2 - Z_1 = ?$	
17	The period of $ \sin 2x $ is	A. $\pi/2$ B. $-\pi/2$ C. π D. $\pi/3$
18	$f(x) = 3x^4 - 2x^2 + 7$ is:	A. an even function B. an odd function C. an even and implicit function D. none of these

D. neither even nor a odd

19

$1^0 =$ _____

- A. 360'
- B. 60"
- C. 60'
- D. 3600'

20

Find a if 1 is a root of the equation $x^2 + ax + 2 = 0$

- A. 3
- B. -3
- C. 2
- D. 0