

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	For all points (x,y) on y-axis	A. x is positive B. x = 0 C. x is negative D. y = 0
2	Question Image	A. Lies between 4 and 7 B. Lies between 5 and 9 C. Has no value between 4 and 7 D. Has no value between 5 and 9
3	Question Image	
4	The area under the curve $y = 1/x^2$ between $x = 1$ and $x = 4$ is:	A. -25 B. 0.75 C. -0.35 D. -10
5	i is equal	A. (1, 0) B. (0, 1) C. (1, 1) D. (0, 0)
6	Question Image	D. none of these
7	The points (x, y) which satisfy a linear inequality in two variables x and y from its	A. domain B. range C. solution D. none of these
8	$x^2 + x - 6 = 0$ is a conditional equation and it is true for	A. 2, 3 B. 2, -3 C. -2, -3 D. -2, 3
9	The set (Q, .)	A. Forms a group B. Does not form a group C. Contains no additive identity D. Contains no additive inverse
10	$F(x) = x^x$ decreases in the interval	A. (0, e) B. (0, 1) C. $(-\infty, 0)$ D. None
11	The inclination of a line parallel to x-axis is	
12	Question Image	
13	$f(x) = ax + b$ will be an identity function if	A. $a = 1, b = 1$ B. $a = 1, b = 0$
14	Vector addition is:	A. Commutative B. Associative C. Commutative and Associative D. None of these
15	Geometric mean between a and b is	
16	$\cos 60^\circ =$ _____	A. 1 B. 2 C. $1/2$ D. 3
17	The distance of the point (-2, 3) from y-axis is	A. 2 B. -2 C. 3 D. 1
		A. Point (1,0)

18	Geometrically the modulus of a complex number represents its distance from the	B. Point (0,1) C. Point (1,1) D. Point (0,0)
19	$f(x) = \sin x + \cos^2 x$ is	A. trigonometric function B. algebraic function C. exponential function D. logarithmic function
20	If $y = \sin (ax + b)$, then fourth derivative of y with respect to x =	A. $a^4 \cos (ax + b)$ B. $a^4 \sin (ax + b)$ C. $-a^4 \sin (ax + b)$ D. $a^4 \tan (ax + b)$