

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The parametric equations of a circle are	
2	Question Image	
3	Question Image	A. A finite set B. An infinite set C. An empty set D. None of these
4	$G = \{e, a, b, c\}$ is an Abelian group with e as identity element The order of the other elements are	A. 2,2,2 B. 3,3,3 C. 2,2,4 D. 2,3,4
5	Question Image	
6	The radius of the circle $2x^2 + 2y^2 - 4x + 12y + 11 = 0$ is:	A. $\sqrt{4.5}$ B. $\sqrt{11}$ C. $\sqrt{29}$ D. $\sqrt{15}$
7	Question Image	
8	Question Image	A. (x, y) B. (kx, y) C. (x, ky) D. (kx, ky)
9	I is not	A. Real number B. Natural number C. Prime Number D. Whole Number
10	Question Image	A. 30° B. 60° C. 45° D. None of these
11	Question Image	A. image B. pre-image C. constant D. none of these
12	The distance between the points $(0, 0)$ and $(1, 2)$ is	A. 5 C. 0 D. 3
13	Associative law of multiplication	A. $ab = ba$ B. $a(bc) = (ab)c$ C. $a(b+c) = ab + ac$ D. $(a+b)c = ac + bc$
14	Question Image	
15	There is no integer n for which $3n$ is	A. Even B. Prime C. Odd D. Real
16	a chord passing through the focus of a parabola is called a:	A. Focal chord B. Latus rectum C. Tangent D. Directrix
17	Question Image	A. 0 B. 1 C. -1 D. 2
18	If $s = 2t^3 - 3t^2 + 15t - 8$ is the equation of motion of a particle, then its initial velocity is	A. 8 B. 15 C. -6 D. None

19	Optimal solution is found by evaluation the objective function at	A. All point of feasible region B. Corner point C. Origin D. None
20	In the expansion of $(a + x)^n$ the sum of exponents of a and x in each term of the expansion is	A. $n + 1$ B. $n - 1$ C. n D. $2n$