

## Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	is equal	A. (1,0) B. (0,1) C. (1,1) D. (0,0)
2	The point is in the solution of the inequality 2x + 3y < 5	A. (1,1) B. (2,2) C. (0,1) D. (0,2)
3	Cofactor of an element aij denoted by Aij is	A. (-2)i+j B. Mij C. (-1)i+j Mij D. None of above
4	Question Image	A. 1 B. 3 C. 2-i D1
5	The third term of a G.P. is the square of first term. If the second term is 8, then the 6th term is	A. 120 B. 124 C. 128 D. 132
6	The number of arbitrary constants in the general solution of a differential equation is equal to the different equation	A. Order B. Degree C. Variables D. All are correct
7	Question Image	A. 2 B. 5 C. 7 D. None of these
8	If x,y are two positive distinct numbers then	A. A>G>H B. A <g<h a="G=H" c.="" d.="" none="" of="" td="" these<=""></g<h>
9	A circle which touches one side of a triangle extermally and the other two sides produced is called	A. In-circle B. Circumcircle C. e-circle D. Point circle
10	The general term in the expansion of (a+x)n is	A. (r-1)th term B. (r+1)th term C. rth term D. none
11	Question Image	
12	a + x is	A. A trinomial B. A binomial C. A monomial D. None of these
13	The sum of the focal distance from any point on the ellipse 9x2 +16y2 =144 is	A. 32 B. 16 C. 18 D. 8
14	n <sup>2</sup> - 1 divisible by 8 when n is	A. an odd integer B. an even integer C. Irrational D. Prime Number
15	Question Image	
16	Question Image	A. x C. y
17	The number of triplets (x, y, z) satisfying $\sin^{-1}x + \cos^{-1}y + \sin^{-1}z = 2\pi$ is	A. 0 B. 2 C. 1

		D. Infinite
18	$oldsymbol{arPhi}$ set is the of all sets?	A. Subset B. Union C. Universal D. Intersection
19	Domain of sec x is	
20	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