

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
		Allowers Offolice
1	Question Image	
2	The law of sines is	
3	3x + 4 > 0 is	A. equation B. identity C. inequality D. none of these
4	Question Image	
5	If A is an event then which of the following is true	A. P(A)⁢0 B. 0≥P(A)≤1 C. P(A)>0 D. None
6	The equation x2+ y2- 8x+ 6y+ 25= 0 represents	A. A circle B. A pair of straight lines C. A point D. None of these
7	The set of integer is	A. Finite group B. A group w.r.t addition C. A group w.r.t multiplication D. Not a group
8	The number of ways of arranging the letter AAAAA BBB CCC D $\!$ EE $\!$ F in a row when no two C's are together is	
9	The 7th term of $(3^8 + 6^4x)^{11/4}$ is	A19217/3 x ⁶ B. 189/2 6 ⁴ x C. 2227/12 x ³ D19712/3 x ⁶
10	Question Image	A. n if n is even B. 0 for any natural number n C. 1 if in odd D. None of these
11	The expansion of $(1 + 2x)^{-2}$ is valed if	A. x < 1/2 B. x < 1 C. x < 2 D. x < 3
12	(a, b) + (-a, -b) =	A. (0,0) B. (a, b) C. (-a, -b) D. (1, 1)
13	The number of solution of the equation $\tan x + \sec x = 2 \cos x$ lying in the interval $[0, 2\pi]$ is	A. 0 B. 1 C. 2 D. 3
14	Question Image	A. 9 B9 C. 0 D. 1
15	Question Image	
16	If $a^{X}=b^{Y}=c^{Z}$ and a, b, c are in G.P. then x, y, z are in	A. A.P. B. G.P. C. H.P. D. None of these
17	A subset of set of complex number whose elements are of the form (a,0) is called	A. Real number B. Complex number C. Rational number D. Irrational number
18	For non-trival solution A is	A. non zero B. A = 0 C. A = 0

		D. At = 0
19	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 = -4 ax B. x ² = 4ay C. x ² = -4ay D. y ² = 4ax
20	Two matrices A and B are conformable for the product AB if	A. Both A and B are square B. Both A and B are symmetric C. Number of rows of A = number of columns of B D. Number of columns of A = number of rows of B