Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	60° = _____	
2	If origin is the mid point of (a,3) and (5,b) then	A. a = -5 , b = -3 B. a = 5 , b =3 C. a = -5 , b = 3 D. a = 5 , b = -3
3	Question Image	A. c = 0 B. c = -1 C. c = -2 D. c = 1
4	Question Image	A. 0 B. -1 C. 1 D. not defined
5	Question Image	
6	Question Image	A. -2x³ B. 2x⁻³ C. -2x⁻³ D. 2x³
7	No term of a geometric sequence can be	A. 0 B. 1 C. 2 D. 3
8	(1, 1) is the in the solution of the inequality	A. 3x + 4y > 3 B. 2x + 3y < 2 C. 4x = 3y > 5 D. 2c - 3y > 2
9	sin (α -β)=	A. sinαcosβ- cosαsinβ B. sinαcosβ+ cosαsinβ C. sinαcosα- cosβsinβ D. sin<span style="font-family:

		"Times New Roman"; font-size: 24px; color: rgb(34, 34, 34); text-align: center; background-color: rgb(255, 255, 224);">αcosα- cosβsinβ
10	The quadratic equation 8 sec2θ - 6 secθ +1 =0 has	A. Infinitely many roots B. Exactly two roots C. Exactly four roots D. No roots
11	Domain of 3 sin x is _____	A. [-3, 3] B. R C. Positive real numbers D. None of these
12	Question Image	
13	If the trace of matrix A is 5, then the trace of the matrix 3A is	A. 3/5 B. 5/3 C. 8 D. 15
14	The sum of all even numbers less than 100 is	A. 2450 B. 2352 C. 2272 D. 2468
15	Question Image	A. 0 B. -4 D. none of these
16	Distance between A(3, 8), B(5, 6) is	
17	Question Image	
18	The point (x_1, y_1) lies outside the circle $x^2+ y^2+ 2gx + 2fy + c =0$ if	
19	If there are m rows and n columns in a matrix then its order is	A. m x n B. m x m C. n x n D. n x m
20	If y is an image of x under the function f, then we write	A. y = f(x) B. x = f(y) C. y = x D. none of these