Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	A vector with magnitude one is called	A. constant vector B. unit vector C. zero vector D. null vector
2	The domain of the principle cos function is	
3	If nis positive integers, then 2^n>2n+1, only when	A. n≤ 3 B. n≥ 3 C. n≤ 2 D. n≤ 1
4	Sec 30° = _____	
5	Two quadratic equation in which xy term is missing and the coefficients of $x^2$and $y^2$are equal, give a linear equation by _____	A. Addition B. Subtraction C. Multiplication D. Division
6	Question Image	
7	A point of a solution regions where two of its boundary lines intersect, is called:	A. Vertex of the solution B. Feasible point C. Point of inequality D. Null point of the solution region
8	Question Image	A. a = 4, b = 1 B. a = 1, b = -4 C. a = 0, b = 4 D. a = 2, b = 4
9	cos (180° -θ)=	A. sinθ B. - cosθ C. - sinθ D. None of above
10	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
11	Question Image	
12	Question Image	
13	The magnitude of vector a=i-3j+5k is:	A. 3 B. √35 C. √17 D. √35
14	Question Image	D. none of these
15	Question Image	
16	Question Image	A. An upper triangular matrix B. A lower triangular matrix C. A diagonal matrix D. A null matrix
17	Cos-1(x)=	A. cos x B. x C. tan-1(-x) D. Sec-1 (1/x)
18	If a +b +c =0 then which of the following is true	A. a =b =c =0 B. a,b =b,c =c,a C. a xb=b xc =c xa D. None
		A. 4 cos<i style="text-align:

19	cos (α+β) + cos (α-β) =	center;">αcosβ B. 2 cosαcosβ C. 2 sinαsinβ D. 2 sinαcosβ
20	Question Image	