Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The matrix A = [aij]mxn with m≠n is	A. Rectangular B. Symmetric C. Square D. None
2	Considering Cosine Rule of any triangle ABC, possible measures of angle A includes	A. Angle A is obtuse B. Angle A is acute C. Angle A is right-angle D. All of above
3	Geometrically the modulus of a complex number represents its distance from the	A. Point (1,0) B. Point (0,1) C. Point (1,1) D. Point (0,0)
4	$(a^{-1})^{-1} =$	A. a-1 B. a C. -a D. None of above
5	If $b^2 - 4ac$ is positive then the roots of the equation are	A. Real B. Imaginary C. Positive D. Negative
6	Question Image	
7	The set of ordered pairs (x,y) such that ax+ by < c, and (x,y) such that ax + by>0, are called	A. Half planes B. Boundary C. Linear Inequalities D. Feasible regions
8	e-radii are denoted by	A. η B. r2 C. r3 D. All of these
9	If n is any positive integer then $n! > 2^{n-1}$ for	
10	Question Image	A. -10 B. 10/7 C. -10/7 D. -7/10
11	The set {-1, 1} is closed under the binary operation of	A. Addition B. Multiplication C. Subtraction D. Division
12	Range of $\csc\theta$ is	A. W - {y | -1 < y < 1} B. R - {y | -1 < y < 1} C. O - {y | -1 < y < 1} D. R
13	sec (-360°) = _____	A. 0 B. 1 C. 2 D. 3
14	Question Image	
15	The real numbers which satisfy an inequality form its	A. solution B. coefficient C. domain D. range
16	Question Image	A. I quadrant B. II quadrant C. III quadrant D. IV quadrant

17	Question Image	A. 0 B. -1 C. 1 D. 2
18	For each natural number n, n (n+1) is	A. an even B. an odd C. multiple of 3 D. Irrational
19	Question Image	A. 5 B. 15 C. 10 D. 20
20	If one root of the equation $ix^2 - 2(i + 1) x + (2 - i) = 0$ is 2 - i, then the other root is	A. -i B. 2 + i C. i D. 2 - i