ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Let A be a square matrix. Then, 1/2 (A-A') is	A. Skew-symmetric B. Symmetric C. Null D. None of the above
2	A line segment whose end points lie on a circle is called the	A. Arc of the circle B. Centre of circle C. Chord of circle D. Radius of circle
3	Question Image	A. Rational B. Irrational C. Natural D. Odd
4	Number of permutations of n distinct objects taken r(<n - 3) at a time which exclude 3(<n) particular objects is	A. 3! P(n, r - 3) B. P(n, 3) P(n, r - 3) C. P(r, r)P(n, r - 3) D. P(n - 3, r)
5	If $f(x) = (-x)^2$ then f(-2) is	A. 0 B. 2 C. -4 D. 4
6	The set of positive integers, 0 and negative integers is known as the set of	A. Natural numbers B. Rational numbers C. All integers D. Irrational numbers
7	Question Image	
8	2x + 3y > 4 is a linear inequality in	A. one variable B. two variables C. three variables D. none of these
9	The condition for ax2 + bx c to be expressed as the product of linear polynomials is	A. b4 - 4ac =0 B. b4- 4ac ≥0 C. b4- 4ac <0 D. b4= 4ac
10	If A is a non-singular matrix then adj A is	A. Non-singular B. Symmetric C. Singular D. Non defined
11	A function f from A to B can be written as	
12	The graph of the quadratic equation is	A. Straight line B. Circle C. Parabola D. elipse
13	Question Image	A. Diagonal matrix B. Scalar matrix C. Triangular matrix D. Identity matrix
14	If n is any positive integer then $2^n > 2(n + 1)$ is true for all	
15	Which of the following sets in infinite	A. The set of students of your class B. The set of all schools in Pakistan C. The set of natural numbers between 3 and 10 D. The set of rational numbers between 3 and 10
16	A statement which is already false is called	A. Tautology B. Contrapsitive C. Absurdity D. Universal quantifiers
		A. arithmetic sequence

17	A sequence having no last term is called	B. Geometric sequence C. Finite sequence D. Infinite sequence
18	Question Image	A. Associative property of addition B. Commutative property of addition C. Distributive property D. Additive identity
19	Which of the following sets is finite	A. The set of natural numbers between 3 and 10 B. The set of rational numbers between 3 and 10 C. The set of real numbers between 0 and 1 D. The set of rational numbers between 0 and 1
20	$w^{73}=$ _____	A. 0 B. 1 C. w D. w²