ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Question Image	
2	Which element is the additive inverse of (a,b) in Complex numbers	A. (a,0) B. (0,b) C. (a,b) D. (-a,-b)
3	Trival solution of homogeneous linear equation is	A. (0, 0, 0) B. (1, 2, 3) C. (1, 3, 5) D. a, b and c
4	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
5	Question Image	
6	Question Image	
7	$3x + 4 > 0$ is	A. equation B. identity C. inequality D. none of these
8	Question Image	A. -35 B. -28 C. 41 D. 72
9	Question Image	A. -228 B. -1/288 C. -1/220 D. -1/177
10	Domain of cosec x is _____	
11	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
12	Question Image	A. conclusion B. consequent C. hypothesis D. conditional
13	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
14	Question Image	
15	The value of 300° in term of π is	A. 5π/3 B. 2π/3 C. 5π/2 D. 5π
16	Given X,Y are any two sets such that number of elements in set X = 28, number of elements in set Y = 28, and number of elements in set X∪Y = 54, then number of elements in set X∩Y =	A. 4 B. 3 C. 2 D. 1
17	Question Image	
18	A square matrix A = [aij] is upper triangular when	A. cij = 0 B. bij = 0 C. aij = 0 for all i > j D. dij = 0

19	The identity function is	A. surjective B. injuctive C. bijective D. into
20	The vertex of the graph of the quadratic function $f(x) = x^2 - 10$, is	A. $(0, -10)$ B. $(-10, 0)$ C. $(10, 0)$ D. $(0, 10)$