ECAT Mathematics Chapter 4 Functions & Groups

Sr	Questions	Answers Choice
1	The identity function is	A. surjective B. injuctive C. bijective D. into
2	A function f from A to B can be written as	
3	The inverse of a line is	A. inverse B. Line C. quadratic D. Circle
4	arb mean	A. a is related to b B. b is related to a C. a is reciprocal of b D. a is not related to b
5	Let A and B be two non-empty sets, then any subset of the cartesian product A x B called a	A. Function B. Domain C. Range D. Binary relation
6	ax+by+c = 0, represent a	A. circle B. parabola C. straight line D. quadratic circle
7	There will be no inverse if the function is	A. one -to - one B. One to many C. onto D. into
8	If no two elements of ordered pairs of a function from A onto are the same, then it is called.	A. Surjective B. Injuctive C. Bijective D. on to
9	Addition is not operation on	A. Natural numbers B. Even numbers C. odd numbers D. set of integers
10	Which of the following notation defines AxB	
11	If the number of elements in set A is n, and in set B is m, then the number of elements in AxB will	A. n^m B. mⁿ C. m x n D. m + n
12	If no two elements of ordered pairs of a function from A onto B are the same, then it is called	A. surjective B. injuctive C. bijective D. on to
13	The set of first elements of the ordered pairs forming the relation is called its	A. domain B. range C. ordered paris D. relation
14	A semi-group having an identity is called a	A. groupoid B. non-commutative C. abelian D. monoid
15	If no two elements of ordred pair of a function from A into B are equal, then it is called	A. surjective B. injuctive C. bijective D. on to
16	The extraction of a cube root of a given number is a	A. Binary operation B. Unary operation C. group D. multiplicative inverse

17	Function is a special type of	A. relation B. ordered pairs C. cartesian product D. sets
18	Which of the following diagrams represent into function?	
19	Which of the following represent injuctive function	
20	The set of first elements of the ordered pairs forming the relation is called is	A. Domain B. Range C. Ordered paris D. Relation