ECAT Mathematics Chapter 4 Functions & Groups

Sr	Questions	Answers Choice
1	Negation of a given number is an example of	A. Binary operation B. group C. unary operation D. function
2	A relation a into B in which Domain is not equal to a, is called.	A. Into function B. on to function C. None of these D. Surjective
3	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
4	Function is a special type of	A. relation B. ordered pairs C. cartesian product D. sets
5	(a,b) = (c,d) if and only if	A. a=b and c =d B. a = d and b = c C. a = c and b = d D. a - b = c -d
6	the function y = mx+c is, called linear function, because	A. it has only two variables B. it has one varible C. its graphs is straight line D. its graphs is circle
7	A function f from A to B can be written as	
8	Question Image	
9	The extraction of a cube root of a given number is a	A. Binary operation B. Unary operation C. group D. multiplicative inverse
10	There will be no inverse if the function is	A. one -to - one B. One to many C. onto D. into
11	Which of the following notation defines AxB	
12	Which of the following diagrams represent bijective function?	
13	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
14	The set of first elements of the ordered pairs forming the relation is called its	A. domain B. range C. ordered paris D. relation
15	Which of the following represent injuctive function	
16	(a,b) (c,d) if and only if	A. a = b and c =d B. a = d and b = c C. a = c and b = d D. a - b = c - d
17	If range of a function f is B, then the function is	A. surjective B. injuctive C. bijective D. into
18	ax+by+c = 0, represent a	A. circle B. parabola C. straight line D. quadratic circle

19	Which of the following is surjective	
20	The identity function is	A. surjective B. injuctive C. bijective D. into