ECAT Mathematics Chapter 4 Functions & Groups Online Test

Sr	Questions	Answers Choice
1	Question Image	A. injuctive as well as surjective B. both onto and into C. one - one and into D. only (1 - 1)
2	Which of the following diagrams represent bijective function?	
3	Which of the following represent injuctive function	
4	Such a function which is (1 -1) is called	A. surjective B. injuctive C. bijective D. into
5	The identity function is	A. surjective B. injuctive C. bijective D. into
6	If range of a function f is B, then the function is	A. surjective B. injuctive C. bijective D. into
7	Which of the following is surjective	
8	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
9	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
10	A function from A to B is called on-to function, if its range is	A. A B. B C. A and B D. neither A nor B
11	Question Image	A. similar images B. distinct images C. similar range D. option a and c
12	Function is a special type of	A. relation B. ordered pairs C. cartesian product D. sets
13	A function f from A to B can be written as	
14	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
15	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
16	Question Image	
17	Question Image	
18	(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
19	Which of the following notation defines AxB	

20	The set of second elements of the ordered pairs forming a relation is called a	A. Domain B. range C. function D. relation
21	If A is non-empty set, any subset of AxA is called a relation in a	A. A B. B C. D D. r
22	The set of first elements of the ordered pairs forming the relation is called its	A. domain B. range C. ordered paris D. relation
23	The net of cartesian product AxB consists of	A. domain B. range C. binary relation D. ordered pair
24	Let A and B be two non-empty sets, then any subset of the cartesian product AxB is called a	A. function B. domain C. range D. binary relation