ECAT Mathematics Chapter 4 Functions & Groups

Sr	Questions	Answers Choice
1	Which of the following represent injuctive function	
2	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
3	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
4	Which of the following is surjective	
5	The net of cartesian product AxB consists of	A. domain B. range C. binary relation D. ordered pair
6	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
7	Identity element, if it exists, is	A. inverse B. unique C. commutative D. associative
8	Function is a special type of	A. relation B. ordered pairs C. Cartesian product D. Set
9	If range of a function f is B, then the function is	A. surjective B. injuctive C. bijective D. into
10	The identity function is	A. surjective B. injuctive C. bijective D. into
11	Question Image	
12	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
13	Question Image	A. similar images B. distinct images C. similar range D. option a and c
14	The set of cartesian product A x B consists of	A. Domain B. Range C. Binary relation D. Ordered pair
15	A semi-group having an identity is called a	A. groupoid B. non-commutative C. abelian D. monoid
16	The set of second elements of the ordered pairs forming a relation is called a	A. Domain B. range C. function D. relation
17	The group of a constant line is	A. Vertical line B. Parabola C. Circle

		D. Horizontal line
18	The graph of a constant line is	A. vertical line B. parabola C. circle D. horizontal line
19	Which of the following diagrams represent bijective function?	
20	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