ECAT (Pre-Eng) Mathematics Chapter 4 Functions and Groups

Sr	Questions	Answers Choice
1	Question Image	
2	Which of the following diagrams represent into function?	
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	Function is a special type of	A. relation B. ordered pairs C. cartesian product D. sets
5	The function denoted by 1/f called the	A. Reciprocal function B. Inverse function C. Constant function D. Reverse function
6	There will be no inverse if the function is	A. one -to - one B. One to many C. onto D. into
7	Function is a special type of	A. relation B. ordered pairs C. Cartesian product D. Set
8	A relation A into B in which Domain is not equal to A, is called	A. into function B. onto function C. None of these D. surjective
9	A function f from A to B can be written as	
10	The inverse of a line is	A. inverse B. Line C. quadratic D. Circle
11	Addition is not operation on	A. Natural numbers B. Even numbers C. odd numbers D. set of integers
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	Which of the following is surjective	
14	Identity element, if it exists, is	A. inverse B. unique C. commutative D. associative
15	Question Image	A. bijective function B. into function C. onto function D. surjective
16	A semi-group having an identity is called a	A. groupoid B. non-commutative C. abelian D. monoid
17	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
		A. a=b and c =d

18	(a,b) = (c,d) if and only if	B. a = d and b = c C. a = c and b = d D. a - b = c -d
19	The graph of a constant line is	A. vertical line B. parabola C. circle D. horizontal line
20	Which of the following notation defines AxB	