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

Sr	Questions	Answers Choice
1	The set of cartesian product A x B consists of	A. Domain B. Range C. Binary relation D. Ordered pair
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	Question Image	A. bijective function B. into function C. onto function D. surjective
4	Function is a special type of	A. relation B. ordered pairs C. cartesian product D. sets
5	Which of the following diagrams represent bijective function?	
6	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
7	If A is non-empty set, any subset of AxA is called a relation in a	A. A B. B C. D D. r
8	The function denoted by 1/f called the	A. Reciprocal function B. Inverse function C. Constant function D. Reverse function
9	There will be no inverse if the function is	A. one -to - one B. One to many C. onto D. into
10	If A is non-empty set, any subset of A x A is called a relation in	A. A B. B C. ∅ D. r
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. m^n C. m x n D. m + n
12	Question Image	A. injuctive as well as surjective B. both onto and into C. one - one and into D. only (1 - 1)
13	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
14	A function∫ will have an inverse function if and only if it is a	A. onto function B. into function C. Constant D. one-one function
15	Negation of a given number is an example of	A. Binary operation B. group C. unary operation D. function
16	The graph of a constant line is	A. vertical line B. parabola C. circle

17	Such a function which is (1 -1) is called	A. surjective B. injuctive C. bijective D. into
18	The set of second elements of the ordered pairs forming a relation is called a	A. Domain B. range C. function D. relation
19	Addition is not operation on	A. Natural numbers B. Even numbers C. odd numbers D. set of integers
20	If range of a function f is B, then the function is	A. surjective B. injuctive C. bijective D. into