ECAT (Pre-Eng) Mathematics Chapter 4 Functions and 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	The inverse of a line is	A. inverse B. Line C. quadratic D. Circle
3	The function denoted by 1/f called the	A. Reciprocal function B. Inverse function C. Constant function D. Reverse function
4	Identity element, if it exists, is	A. inverse B. unique C. commutative D. associative
5	ax+by+c = 0, represent a	A. circle B. parabola C. straight line D. quadratic circle
6	Which of the following represent injuctive function	
7	The set of second elements of the ordered pairs forming a relation called a	A. Domain B. Range C. Function D. Relation
8	Which of the following diagrams represent into function?	
9	If A is non-empty set, any subset of A x A is called a relation in	A. A B. B C. ∅ D. r
10	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
11	A function f will have an inverse function if and only if it is a	A. onto function B. into function C. Constant D. one-one function
12	The set of first elements of the ordered pairs forming the relation is called is	A. Domain B. Range C. Ordered paris D. Relation
13	Question Image	A. injuctive as well as surjective B. both onto and into C. one - one and into D. only (1 - 1)
14	Question Image	
15	The set of cartesian product A x B consists of	A. Domain B. Range C. Binary relation D. Ordered pair
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	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
19	(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
20	If no two elements of ordered pair of a functions from A into B are equal, then it is called.	A. Surjective B. Injuctive C. Bijective D. Onto