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

Sr	Questions	Answers Choice
1	If A is non-empty set, any subset of A x A is called a relation in	A. A B. B C. ⌀ D. r
2	Which of the following is surjective	
3	Function is a special type of	A. relation B. ordered pairs C. cartesian product D. sets
4	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
5	The graph of a constant line is	A. vertical line B. parabola C. circle D. horizontal line
6	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
7	Which of the following notation defines AxB	
8	Which of the following represent injuctive function	
9	A semi-group having an identity is called a	A. groupoid B. non-commutative C. abelian D. monoid
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	The inverse of a line is	A. inverse B. Line C. quadratic D. Circle
12	Question Image	A. injuctive as well as surjective B. both onto and into C. one - one and into D. only (1 - 1)
13	Such a function which is (1 -1) is called	A. surjective B. injuctive C. bijective D. into
14	The identity function is	A. surjective B. injuctive C. bijective D. into
15	Identity element, if it exists, is	A. inverse B. unique C. commutative D. associative
16	Which of the following diagrams represent into function?	
17	There will be no inverse if the function is	A. one -to - one B. One to many C. onto D. into
		A. A

18	A function from A to B is called on-to function, if its range is	B. B C. A and B D. neither A nor B
19	Question Image	
20	N is closed with respect to ordinary	A. addition B. multiplication C. addition and multiplication D. division