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

Sr	Questions	Answers Choice
1	Function is a special type of	A. relation B. ordered pairs C. cartesian product D. sets
2	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
3	If A is non-empty set, any subset of AxA is called a relation in a	A. A B. B C. D D. r
4	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
5	ax+by+c = 0 , represents a	A. Circle B. Parabola C. Straight line D. Quadratic circle
6	The net of cartesian product AxB consists of	A. domain B. range C. binary relation D. ordered pair
7	Which of the following diagrams represent into function?	
8	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
9	ax+by+c = 0, represent a	A. circle B. parabola C. straight line D. quadratic circle
10	Function is a special type of	A. relation B. ordered pairs C. Cartesian product D. Set
11	The graph of a constant line is	A. vertical line B. parabola C. circle D. horizontal line
12	Addition is not operation on	A. Natural numbers B. Even numbers C. odd numbers D. set of integers
13	A semi-group having an identity is called a	A. groupoid B. non-commutative C. abelian D. monoid
14	Such a function which is (1 -1) is called	A. surjective B. injuctive C. bijective D. into
15	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
16	(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
17	If A is non-empty set, any subset of A x A is called a relation in	A. A B. B C. ∅ D. r
18	Which of the following represent injuctive function	
19	Let A and B be two non-empty sets, then any subset of the cartesian product AxB is called a	A. function B. domain C. range D. binary relation
20	Question Image	