ECAT Mathematics Chapter 4 Functions & Groups

Sr	Questions	Answers Choice
1	Question Image	
2	Function is a special type of	A. relation B. ordered pairs C. Cartesian product D. Set
3	Which of the following represent injuctive function	
4	Addition is not operation on	A. Natural numbers B. Even numbers C. odd numbers D. set of integers
5	(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
6	The set of first elements of the ordered pairs forming the relation is called its	A. domain B. range C. ordered paris D. relation
7	The group of a constant line is	A. Vertical line B. Parabola C. Circle D. Horizontal line
8	Which of the following diagrams represent bijective function?	
9	The identity function is	A. surjective B. injuctive C. bijective D. into
10	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
11	A function f from A to B can be written as	
12	Such a function which is (1 -1) is called	A. surjective B. injuctive C. bijective D. into
13	If A is non-empty set, any subset of AxA is called a relation in a	A. A B. B C. D D. r
14	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
15	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
16	The inverse of a line is	A. inverse B. Line C. quadratic D. Circle
17	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
		A. multiplication

18	The set {E,0}, is closed under (ordinary)	B. addition C. subtraction D. division
19	The set of cartesian product A x B consists of	A. Domain B. Range C. Binary relation D. Ordered pair
20	A function from A to B is called on-to function, if its range is	A. A B. B C. A and B D. neither A nor B