ECAT Mathematics Chapter 4 Functions & Groups

Sr	Questions	Answers Choice
1	The group of a constant line is	A. Vertical line B. Parabola C. Circle D. Horizontal line
2	Extraction of square root of a given number is a	A. unary operation B. binary operation C. group D. inverse function
3	A function f from A to B can be written as	
4	Addition is not operation on	A. Natural numbers B. Even numbers C. odd numbers D. set of integers
5	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
6	The set of second elements of the ordered pairs forming a relation called a	A. Domain B. Range C. Function D. Relation
7	Question Image	A. injuctive as well as surjective B. both onto and into C. one - one and into D. only (1 - 1)
8	Which of the following notation defines AxB	
9	ax+by+c = 0 , represents a	A. Circle B. Parabola C. Straight line D. Quadratic circle
10	Which of the following diagrams represent into function?	
11	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
12	A semi-group having an identity is called a	A. groupoid B. non-commutative C. abelian D. monoid
13	If range of a function f is B, then the function is	A. surjective B. injuctive C. bijective D. into
14	Which of the following represent injuctive function	
15	If A is non-empty set, any subset of A x A is called a relation in	A. A B. B C. ∅ D. r
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 set {E,0}, is closed under (ordinary)	A. multiplication B. addition C. subtraction D. division
		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	ax+by+c = 0, represent a	A. circle B. parabola C. straight line D. quadratic circle
20	The net of cartesian product AxB consists of	A. domain B. range C. binary relation D. ordered pair