

Mathematics ECAT Pre Engineering Chapter 4 Functions and Groups Online Test

Sr	Questions	Answers Choice
1	Identity element, if it exists, is	A. inverse B. unique C. commutative D. associative
2	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
3	ax+by+c = 0 , represents a	A. Circle B. Parabola C. Straight line D. Quadratic circle
4	Which of the following represent injuctive function	
5	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
6	Which of the following diagrams represent into function?	
7	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
8	The set of second elements of the ordered pairs forming a relation is called a	A. Domain B. range C. function D. relation
9	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
10	The set of cartesian product A x B consists of	A. Domain B. Range C. Binary relation D. Ordered pair
11	The identity function is	A. surjective B. injuctive C. bijective D. into
12	N is closed with respect to ordinary	A. additionB. multiplicationC. addition and multiplicationD. division
13	Question Image	A. bijective function B. into function C. onto function D. surjective
14	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
15	Function is a special type of	A. relation B. ordered pairs C. Cartesian product D. Set
16	ax+by+c = 0, represent a	A. circle B. parabola C. straight line D. quadratic circle

. . . .

17	(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
18	Which of the following is surjective	
19	The extraction of a cube root of a given number is a	A. Binary operationB. Unary operationC. groupD. multiplicative inverse
20	The graph of a constant line is	A. vertical line B. parabola C. circle D. horizontal line