

ECAT Mathematics Chapter 4 Functions & Groups

Sr	Questions	Answers Choice
1	The set of first elements of the ordered pairs forming the relation is called its	A. domain B. range C. ordered paris D. relation
2	$(a,b) = (c,d)$ if and only if	A. $a=b$ and $c = d$ B. $a = d$ and $b = c$ C. $a = c$ and $b = d$ D. $a - b = c - d$
3	Which of the following diagrams represent bijective function?	
4	If no two elements of ordered pairs of a function from A onto are the same, then it is called.	A. Surjective B. Injuctive C. Bijective D. on to
5	There will be no inverse if the function is	A. one -to - one B. One to many C. onto D. into
6	$(a,b) (c,d)$ if and only if	A. $a = b$ and $c = d$ B. $a = d$ and $b = c$ C. $a = c$ and $b = d$ D. $a - b = c - d$
7	Function is a special type of	A. relation B. ordered pairs C. cartesian product D. sets
8	Negation of a given number is an example of	A. Binary operation B. group C. unary operation D. function
9	$ax+by+c = 0$, represent a	A. circle B. parabola C. straight line D. quadratic circle
10	If A is non-empty set, any subset of $A \times A$ is called a relation in	A. A B. B C. \emptyset D. r
11	Function is a special type of	A. relation B. ordered pairs C. Cartesian product D. Set
12	The inverse of a line is	A. inverse B. Line C. quadratic D. Circle
13	The set of second elements of the ordered pairs forming a relation is called a	A. Domain B. range C. function D. relation
14	Which of the following represent injuctive function	
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
16	A function f will have an inverse function if and only if it is a	A. onto function B. into function C. Constant D. one-one function
17	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. similar images B. distinct images C. similar range D. ...

D. option a and c

18 the function $y = mx+c$ is, called linear function, because

- A. it has only two variables
- B. it has one variable
- C. its graphs is straight line
- D. its graphs is circle

19 Which of the following notation defines $A \times B$

20 