

ECAT Mathematics Chapter 4 Functions & Groups

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. bijective function B. into function C. onto function D. surjective
2	$ax+by+c = 0$, represent a	A. circle B. parabola C. straight line D. quadratic circle
3	The function denoted by $1/f$ called the	A. Reciprocal function B. Inverse function C. Constant function D. Reverse function
4	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
5	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
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. similar images B. distinct images C. similar range D. option a and c
7	If no two elements of ordred pair of a function from A into B are equal, then it is called	A. surjective B. injective C. bijective D. on to
8	Negation of a given number is an example of	A. Binary operation B. group C. unary operation D. function
9	Which of the following is surjective	
10	The set $\{E,0\}$, is closed under (ordinary)	A. multiplication B. addition C. subtraction D. division
11	Let A and B be two non-empty sets, then any subset of the cartesian product $A \times B$ is called a	A. function B. domain C. range D. binary relation
12	Function is a special type of	A. relation B. ordered pairs C. cartesian product D. sets
13	Which of the following represent injective function	
14	Which of the following notation defines $A \times B$	
15	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
16	The set of first elements of the ordered pairs forming the relation is called its	A. domain B. range C. ordered paris D. relation
17	If A is non-empty set, any subset of $A \times A$ is called a relation in a	A. A B. B C. D D.

D. r

18 If no two elements of ordered pairs of a function from A onto B are the same, then it is called

- A. surjective
- B. injective
- C. bijective
- D. on to

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- A. injective as well as surjective
- B. both onto and into
- C. one - one and into
- D. only (1 - 1)

20 The graph of a constant line is

- A. vertical line
- B. parabola
- C. circle
- D. horizontal line