

ECAT Mathematics Chapter 2 Set Function and Groups

Sr	Questions	Answers Choice
1	The logic in which every statement is regarded as true or false and no other possibility is called	A. Aristotelian logic B. Inductive logic C. Non-Aristotelian logic D. None of these
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. square root function B. identity function C. linear function D. quadratic function
3	0 is a symbol of	A. singleton set B. Empty set C. Equivalent set D. Infinite set
4	If there is one-one correspondence between A and B, then we write.	A. $A = B$ B. $A \subseteq B$ C. $A \supseteq B$ D. $A \sim B$
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Addition B. Subtraction C. Multiplication D. None of these
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. A onto B B. both a & c C. A into B D. none of these
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $A = C$ B. $A = B$ C. $B = C$ D. None of these
8	The identity element of a set X with respect to intersection in $P(X)$ is	A. X B. Does not exist C. \emptyset D. None of these
9	If p and q are two statements then their conjunction is denoted by	
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	D. None of these
11	Additive inverse of -a -b is	A. a B. -a + b C. a - b D. a + b
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. -x B. Infinite set C. $\{-4, 4\}$ D. None of these
13	If $A = \{x/x \text{ is a positive integer and } 4 \leq x < 23\}$, then $A =$	A. $\{1, 2, 3, 4, 5, 6, 7\}$ B. $\{4, 5, 6, \dots, 22\}$ C. $\{1, 2, 3, \dots, 23\}$ D. $\{1, 2, 3, 4, 5\}$
14	For a set A, $A \cup A^c =$ -----	A. A B. \emptyset C. Ac D. U
15	If the intersection of two sets is non-empty, but either is a subset of other are called	A. Disjoint sets B. Overlapping C. Equal sets D. None of these
16	The set of all positive even integers is	A. Not a group B. A group w.r.t. subtraction C. A group w.r.t. division D. A group w.r.t. multiplication

- 17 Which conjunction is not true ?
-
- 18 If A is a subset of B and B contains at least one element which is not an element of A, then A is said to be
- A. Improper subset of B
 - B. Super set of B
 - C. Proper subset of B
 - D. None of these
-
- 19 Φ set is the _____ of all sets?
- A. Subset
 - B. Union
 - C. Universal
 - D. Intersection
-
- 20 The set $\{x|x \in \mathbb{N} \wedge x-4=0\}$ in tabular form is
- A. $\{-4\}$
 - B. $\{0\}$
 - C. $\{\}$
 - D. None of these
-