

## ECAT Mathematics Chapter 2 Set, Functions and Groups

Sr	Questions	Answers Choice
1	Question Image	A. $A = B$ B. $B = C$ C. $A = C$ D. None of these
2	The negation of given number is a	A. Binary operation B. Unary operation C. Relation D. None of these
3	For a set A, $A \cup A^c = \dots$	A. A B. $\emptyset$ C. $A^c$ D. U
4	Let A, B, and C be any sets such that $A \cup B = A \cup C$ and $A \cap B = A \cap C$ then	A. $A \neq C$ B. $B = C$ C. $A = B$ D. $A \neq B$
5	If p and q are two statements then their biconditional 'p if q' is denoted by	
6	If A and B are two sets then any subset R of $B \times A$ is called	A. relation on A B. relation on B C. relation from A to B D. relation from B to A
7	The negation of a number	A. a relation B. a function C. unary operation D. binary operation
8	For any set X, $X \cup X$ is	A. X B. $X'$ C. $\emptyset$ D. Universal Set
9	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
10	Question Image	A. A B. $A'$ C. U D. $A A'$
11	Which of the following statement is true?	A. A set is a collection of non-empty object B. A set is a collection of only numbers C. a set is any collection of things D. a set is well-defined collection of objects
12	Write down the power set of {9, 11}	
13	Question Image	
14	Which of the following is the definition of singleton	A. The objects in a set B. A set having no element C. A set having no subset D. None of these
15	Question Image	D. None of these
16	The set of first elements of the ordered pairs in a relation is called its	A. domain B. range C. relation D. function
17	Question Image	
18	Question Image	

19 Which conjunction is not true ?

20 Question Image