

ECAT Pre General Science Mathematics Chapter 2 Set, Functions and Groups Online Test

Sr	Questions	Answers Choice
1	Question Image	A. A is proper subset of B B. A is an improper subset of B C. A is equivalent to B D. B is subset of A
2	The set R is w.r.t subtraction	A. Not a group B. A group C. No conclusion drawn D. Non commutative group
3	Question Image	
4	If A ⊆ B then A ∪ B is	A. A B. B C. A' D. A ∩B
5	Question Image	
6	The complement of set A relative to universal set U is the set	
7	Let A and B be two sets. If every element of A is also an element of B then	
8	Question Image	
9	The multiplicative inverse of x such that $x = 0$ is	Ax B. Does not exist C. 1/x D. ±1
10	To each element of a group there corresponds inverse element	A. Two B. One C. No D. Three
11	Which conjunction is not true?	
12	Question Image	
13	Power set of difference set N-W is	A. Empty set B. Infinite set C. Singleton set D. {0,∅}
14	The set of natural numbers is a subset of	A. {1, 2, 3, 100} B. The set of whole numbers C. {2, 4, 6, 8,} D. None of these
15	If A=B, then	A. A⊂B and B⊂A B. A⊆B and B⊈A C. A⊆B and B⊆A D. None of these
16	To each element of a group there corresponds inverse element	A. Two B. One C. No D. Three
17	The multiplicative inverse of x such that $x = 0$ is	Ax B. does not exist C. 1/x D. 0
18	The total number of subsets that can be formed out of the set {a, b, c} is	A. 1 B. 4 C. 8 D. 12
19	For any set B, BUB' is	A. Is set B B. Set B' C. Universal set D. None of these