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

Sr	Questions	Answers Choice
1	Z is the set of integers, (z, *) is a group with a * b = a + b + 1, a, b ∈G. then inverse of a is	A. -a B. a + 1 C. -2 -a D. None of these
2	Φ set is the _____ of all sets	A. Subset B. Union C. Universal D. Intersection
3	The set of months in a year beginning with S.	A. {September, October, November} B. Singleton set C. Null set D. Empty set
4	Question Image	D. None of these
5	*P∉A means*	A. Pis subset of A B. Pis an element of A C. P does not belongs to A D. A does not element of P
6	Question Image	A. a-b=ab B. ab=a C. a+b=ab
7	Question Image	
8	Question Image	A. An empty set B. Universal set C. A singleton set D. None of these
9	The set {-1, 1} is closed under the binary operation of	A. Addition B. Multiplication C. Subtraction D. Division
10	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
11	Question Image	
12	Which of the following sets is finite	A. The set of natural numbers between 3 and 10 B. The set of rational numbers between 3 and 10 C. The set of real numbers between 0 and 1 D. The set of rational numbers between 0 and 1
13	if A = (x/x€ Q^ 0 < x < 1}, the A is	A. Infinite set B. Finite set C. Set of rational numbers D. Set of real numbers
14	Question Image	
15	The set of integer is	A. Finite group B. A group w.r.t addition C. A group w.r.t multiplication D. Not a group
16	Under multiplication, solution set of is	A. Groupoid B. Abelian group C. Semi group D. All of these
17	The set of natural is a semi group w.r.t	A. Addition B. Division C. Subtraction

		D. None of these
18	Question Image	D. none of these
19	Question Image	A. Evert element of A is in B B. Every element of B is in A C. Every element of A is in B' D. Every element of A is in A
20	The negation of given number is a	A. Binary operation B. Unary operation C. Relation D. None of these