ECAT Mathematics Chapter 2 Set, Functions and Groups

Sr	Questions	Answers Choice
1	The set of the first elements of the orders pairs forming a relation is called its	A. Relation in B B. Range C. Domain D. Relation In A
2	{x : xε Z and x < 1} is	A. Singleton set B. A set with two points C. Empty set D. None of these
3	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
4	The set {x +iy / x, y ∈ Q} forms a group under the binary operation of	A. Addition B. Multiplication C. Division D. Both addition and multiplication
5	The set of the first elements of the orders pairs forming a relations is called its	A. Relation in B B. Range C. Domain D. Relation in A
6	0 is a symbol of	A. singleton set B. Empty set C. Equivalent set D. Infinite set
7	The number of subset of {0} is	A. 1 B. 2 C. 3 D. None
8	Question Image	
9	The set {{a,b}} is	A. Infinite set B. Singleton set C. Two points set D. None
10	Power set of X i.e P(X) _____ under the binary operation of union U	A. Forms a group B. Does not form a group C. Has no identity element D. Infinite set although X is infinite
11	For any set X, X∪X is	A. X B. X' C. Φ D. Universal Set
12	Question Image	
13	The set of the first elements of the ordered pairs forming a relation is called its	A. Function on B B. Range C. Domain D. A into B
14	The set of real numbers is a subset of	A. The set of natural numbers B. The set of rational numbers C. The set of integers D. The set of complex numbers
15	To each element of a group there corresponds _____ inverse element	A. Two B. One C. No D. Three
16	Question Image	A. -x B. Infinite set C. {-4, 4} D. None of these

17	Φ set is the _____ of all sets	A. Subset B. Union C. Universal D. Intersection
18	Additive inverse of -a -b is	A. a B. -a + b C. a - b D. a + b
19	For any set B,B∪B' is	A. Is set B B. Set B' C. Universal set
20	If there is one-one correspondence between A and B, then we write.	A. A = B B. A⊆ B C. A⊇ B D. A ~ B