ECAT Mathematics Chapter 2 Set Function and Groups

Sr	Questions	Answers Choice
1	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
2	If x = 1/x for x ∈ R then the value of x is	A. ±1 B. 0 C. 2 D. 4
3	The set which has no proper subset is	A. {0} B. {} C. {∅} D. None of these
4	The set of whole numbers is subset of	A. The set on integers B. The set of natural numbers C. {1, 3, 5, 7, ...} D. The set of prime numbers
5	Question Image	A. Biconditional B. Implication C. Antecedent D. Hypothesis
6	Question Image	
7	A function whose range is just one elements is called	A. One-one function B. Constant function C. Onto function D. Identity function
8	Onto function is also called	A. Binjective function B. Injective function C. Surjechive function D. None of these
9	The set of months in a year beginning with S.	A. {September, October, November} B. Singleton set C. Null set D. Empty set
10	The number of subsets of B = {1,2,3,4,5}	A. 10 B. 32 C. 16 D. 5
11	Question Image	A. Singleton set B. A set with two points C. Empty set D. None of these
12	The function f{(x, y) | $y = ax^2 + bx + c$} is	A. One-one function B. Constant function C. Onto function D. Quadratic function
13	The set { {a,b} } is	A. Infinite set B. Singleton set C. Two points set D. Empty set
14	If P = {x/x = p/q where p,q∈ Z and q≠ 0}, then P is the set of	A. Irrational numbers B. Even numbers C. Rational numbers D. Whole numbers
15	If the intersection of two sets is non-empty, but either is a subset of other are called	A. Disjoint sets B. Over lapping C. Equal sets D. None of these
16	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. -1-a

		D. None of these
17	$\{x \mid x \in R \wedge x \neq x\}$ is a	A. Infinite set B. Null set C. Finite set D. None of these
18	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
19	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
20	The set X is	A. Proper Subset of X B. Not A subset of X C. Improper Subset of X D. None of these