ECAT Mathematics Chapter 2 Set Function and Groups

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. -1-a D. None of these
2	A = B iff	A. All elements of A also the elements of B B. A and B should be singleton C. A and B have the same number of elements D. If both have the same element
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	The graph of a linear function is	A. a circle B. triangle C. a straight line D. none of these
5	Question Image	A. A B. A' C. U D. A A'
6	(A∪B)∪C= ----------	A. A∩B(B∪C) B. A∪(B∪C) C. A∪(B∩C) D. None of these
7	If B⊆ A, then complement of B in A is = ----------	A. A-B B. A∩B C. B-A D. A∪B
8	The set {-1,1} is closed under the binary operation of	A. Addition B. Multiplication C. Subtraction D. Division
9	Question Image	A. A onto B B. both a & c C. A into B D. none of these
10	{x : xε Z and x < 1} is	A. Singleton set B. A set with two points C. Empty set D. None of these
11	The number of different ways of describing a set is	A. One B. Two C. Three D. Four
12	If A ⊆ B then A ∪ B is	A. A B. B C. A' D. A ∩B
13	If n(A) = n then n(P(A)) is	A. 2n B. n² C. n/2 D. 2ⁿ
14	If P is a proposition then its negative is denoted by	
15	The function f{(x, y) | y = ax^2+ bx + c} is	A. One-one function B. Constant function C. Onto function D. Quadratic function
		A. a

16	Additive inverse of -a -b is	B. -a + b C. a - b D. a + b
17	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
18	The geometrical representation of a linear function is	A. Circle B. Parabola C. Straight lie D. None of these
19	What is the number of elements of the power set of { }	A. 0 B. 1 C. 2 D. 3
20	{1, 2, 3, 4,.....} is set of _____	A. Natural numbers B. Whole numbers C. Integers D. Rational numbers