ECAT Mathematics Chapter 2 Set Function and Groups

Sr	Questions	Answers Choice
1	The function {f(x,y)|y = ax2 +bx +c} is	A. One-one function B. Constant function C. Onto function D. Quadratic function
2	Z is the set of integers, (z, *) is a group with a * b = a + b + 1, a, b $\in$G. then inverse of a is	A. -a B. a + 1 C. -2 -a D. None of these
3	The set {-1,1} is	A. Group under the multiplication B. Group under addition C. Does not form a group D. Contains no identity element
4	Question Image	A. A onto B B. both a & c C. A into B D. none of these
5	Question Image	A. Biconditional B. Implication C. Antecedent D. Hypothesis
6	The set { {a, b} } is	A. Infinite set B. Singleton set C. Two points set D. Empty set
7	Question Image	
8	Question Image	A. A B. A' C. U D. A A'
9	{1, 2, 3} is _____	A. an infinite set B. A finite set C. A singleton set D. Universal set
10	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
11	Let A and B be two sets. If every element of A is also an element of B then	
12	If A and B are two sets then intersection of A and B is denoted by	
13	Additive inverse of -a -b is	A. a B. -a + b C. a - b D. a + b
14	Which of the following sets in infinite	A. The set of students of your class B. The set of all schools in Pakistan C. The set of natural numbers between 3 and 10 D. The set of rational numbers between 3 and 10
15	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
16	Question Image	A. A = C B. A = B C. B = C D. None of these
		A. 2n

17	If n(A) = n then n(P(A)) is	B. n² C. n/2 D. 2ⁿ
18	The set {-1,1} is closed under the binary operation of	A. Addition B. Multiplication C. Subtraction D. Division
19	Question Image	
20	If A and B are two sets then any subset R of B x A is called	A. relation on A B. relation on B C. relation from A to B D. relation from B to A