ECAT Mathematics Chapter 2 Set Function and Groups

Sr	Questions	Answers Choice
1	The graph of a quadratic function is	A. Circle B. Straight line C. Parabola D. Triangle
2	The multiplicative inverse of x such that x = 0 is	A. -x B. does not exist C. 1/x D. 0
3	If A⊆ B, and B is a finite set, then	A. n (a) < n(B) B. n(B)<(A) C. n(A)≤ n (B) D. n(A)≥ n(B)
4	If A=B, then	A. A⊂B and B⊂A B. A⊆B and B⊈A C. A⊆B and B⊆A D. None of these
5	The set of first elements of the ordered pairs in a relation is called its	A. domain B. range C. relation D. function
6	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
7	Question Image	A. -x B. Infinite set C. {-4, 4} D. None of these
8	The set of all positive even integers is	A. Not a group B. A group w.r.t subtraction C. A group w.r.t division D. A group w.r.t multiplication
9	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
10	Under multiplication, solution set of is	A. Groupoid B. Abelian group C. Semi group D. All of these
11	Question Image	A. A B. A' C. U D. None of these
12	The set {Z\ {0} } is group w.r.t	A. Addition B. Multiplication C. Division D. Subtraction
13	Question Image	A. Natural numbers B. Whole numbers C. Integers D. Rational numbers
14	The identity element of a set X with respect to intersection in P(x) is	A. X B. Does not exist C. ⌀ D. None of these
15	If B-A≠φ , then n(B-A) is equal to	A. n(a)+n(c) B. n(c)-n(a) C. n(a)-n(c) D. None of these

16	Which conjunction is not true ?	
17	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
18	Question Image	
19	Φset is the _____ of all sets?	A. Subset B. Union C. Universal D. Intersection
20	If p and q are two statements then their conjunction is denoted by	