ECAT Mathematics Chapter 2 Set Function and Groups

Sr	Questions	Answers Choice
1	The set { {a, b} } is	A. Infinite set B. Singleton set C. Two points set D. Empty set
2	The function f{(x, y) | y = ax^2+ bx + c} is	A. One-one function B. Constant function C. Onto function D. Quadratic function
3	Decimal part of irrational number is	A. Terminating B. Repeating only C. Neither repeating nor terminating D. Repeating and terminating
4	The set {{a,b}} is	A. Infinite set B. Singleton set C. Two points set D. None
5	Question Image	A. An empty set B. Universal set C. A singleton set D. None of these
6	Question Image	
7	Question Image	B. A C. A' D. U
8	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
9	Group of none-singular matrices under multiplication is	A. None-Abelian group B. Semi group C. Abelian group D. None of these
10	The function {f(x,y)|y = ax2 +bx +c} is	A. One-one function B. Constant function C. Onto function D. Quadratic function
11	Question Image	
12	Under multiplication, solution set of is	A. Groupoid B. Abelian group C. Semi group D. All of these
13	Identity w.r.t intersection in a power set of any set is	A. ∅ B. Set itself C. Singleton set D. {0}
14	Question Image	A. Biconditional B. Implication C. Antecedent D. Hypothesis
15	The set (Z,+) forms a group	A. Forms a group w.r.t addition B. Non commutative group w.r.t multiplication C. Forms a group w.r.t multiplication D. Doesn't form a group
16	{0} is a	A. Empty set B. Singleton set C. Zero set D. Null Set

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	If C={p/p < 18, p is a prime number}, then C =	A. {2,3,4,.....17} B. {2,4,6,8.....16} C. {1,3,5,7,9,11,13,15,17} D. {3,6,9,12,15}
19	Question Image	
20	The number of subsets of B = {1,2,3,4,5}	A. 10 B. 32 C. 16 D. 5