ECAT Mathematics Chapter 2 Set, Functions and Groups

Sr	Questions	Answers Choice
1	Under multiplication, solution set of is	A. Groupoid B. Abelian group C. Semi group D. All of these
2	The set {-1, 1} is closed under the binary operation of	A. Addition B. Multiplication C. Subtraction D. Division
3	The logic in which every statement is regarded as true or false and no other possibility is called	A. Aristotelian login B. Inductive logic C. Non-Aristotelian logic D. None of these
4	The number of subsets of a set having three elements is	A. 4 B. 6 C. 8 D. none of these
5	The number of different ways of describing a set is	A. One B. Two C. Three D. Four
6	Question Image	D. none of these
7	Φ set is the _____ of all sets	A. Subset B. Union C. Universal D. Intersection
8	The function f{(x, y) | $y = ax^2 + bx + c$} is	A. One-one function B. Constant function C. Onto function D. Quadratic function
9	{1, 2, 3, 4,.....} is set of _____	A. Natural numbers B. Whole numbers C. Integers D. Rational numbers
10	The set {Z\{0}} is group w.r.t	A. Addition B. Multiplication C. Division D. Subtraction
11	Which of the following statement is true?	A. A set is a collection of non-empty object B. A set is a collection of only numbers C. a set is any collection of things D. a set is well-defined collection of objects
12	The number of proper subset of A ={a.b.c.d} is	A. 3 B. 6 C. 8 D. 15
13	Question Image	A. A B. B C. U D. None of these
14	The function {f(x,y)|y = ax2 +bx +c} is	A. One-one function B. Constant function C. Onto function D. Quadratic function
15	Question Image	
16	G = {e, a, b, c} is an Abelian group with e as identity element The order of the other	A. 2,2,2 B. 3,3,3

16	elements are	C. 2,2,4 D. 2,3,4
17	Let A,B and C be any sets such that A∪B = A∪C and A∩ B = A∩ C then	A. A = B B. B = C C. A≠ C D. A ≠ B
18	Question Image	
19	Which of the following has the same value as i113	A. i B. -1 C. -i D. 1
20	Question Image	