ECAT Mathematics Chapter 2 Set Function and Groups

Sr	Questions	Answers Choice
1	The set of even prime numbers is	A. (2,4,6,8,10} B. {2,4,6,8,10,12} C. {1,3,5,7,9} D. {2}
2	{0} is a	A. Empty set B. Singleton set C. Zero set D. Null Set
3	If A∩B=B, then n(A∩B) is equal to	A. n(a) B. n(a)+n(c) C. n(c) D. None of these
4	Question Image	A. square root function B. identity function C. linear function D. quadratic function
5	If A is a set then any subset R of A x A is called	A. relation on A B. relation on B C. relation from A to B D. relation from B to A
6	Question Image	D. None of these
7	If 0 = {1,3,5.......}, then n (0) =	A. Infinite B. Even numbers C. odd integers D. 99
8	The set {1,-1, i, -i} form a group under	A. Addition B. Multiplication C. Subtraction D. None
9	Multiplicative inverse of "1" is	A. +- 1 B. 0 C. 1 D. None of these
10	The set X is	A. Proper Subset of X B. Not A subset of X C. Improper Subset of X D. None of these
11	Question Image	
12	{x : xε Z and x < 1} is	A. Singleton set B. A set with two points C. Empty set D. None of these
13	The complement of set A relative to universal set U is the set	
14	What is the number of elements of the power set of { }	A. 0 B. 1 C. 2 D. 3
15	Question Image	
16	The contra positive of p → q is	A. q → p B. ~q→~q C. ~p→~q D. None of these
17	Question Image	A. A = B B. B = C C. A = C D. None of these
		A. 3

18	Question Image	B. 1
		C. 2
		D. 4

19	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

| 20 | Question Image | |