ECAT Mathematics Chapter 2 Set Function and Groups

Sr	Questions	Answers Choice
1	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
2	Z is a group under	A. Subtraction B. Multiplication C. Addition D. None of these
3	The number of subsets of a set having three elements is	A. 4 B. 6 C. 8 D. none of these
4	If $B \subseteq A$, then complement of B in A is = ----------------------	A. A-B B. A∩B C. B-A D. A∪B
5	A∪(A∪B)= --------------------	A. B B. A C. A∪B D. None of these
6	For any two sets A and, $A \subseteq B$ if	A. $x \in A \Rightarrow x \in B$ B. $x \notin A \Rightarrow x \notin B$ C. $x \in A \Rightarrow x \notin B$ D. None of these
7	Question Image	A. An empty set B. Universal set C. A singleton set D. None of these
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	The number of proper subset of A ={a.b.c.d} is	A. 3 B. 6 C. 8 D. 15
10	The set (Q, .)	A. Forms a group B. Does not form a group C. Contains no additive identity D. Contains no additive inverse
11	Question Image	
12	A statement which is either true or false is called	A. Induction B. Deduction C. Propositicon D. Logic
13	Question Image	A. A B. A' C. U D. None of these
14	Which conjunction is not true ?	
15	Question Image	
16	If 0 = {1,3,5.......}, then n (0) =	A. Infinite B. Even numbers C. odd integers D. 99
17	The many subset can be formed from the set {a,b,c,d}	A. 8 B. 4 C. 12 D. 16

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	Write down the power set of {9, 11}	