ECAT Mathematics Chapter 2 Set Function and Groups

Sr	Questions	Answers Choice
1	If z1 = 2 + 6i and z2 = 3 + 7i then which expression defines the product of z1 and z2	A. 36 +(-32)i B. -36+32i C. 6+(-11)i D. 0, +(-12)i
2	The function whose range consists of just one element is called	A. One-One Function B. Identity Function C. Onto Function D. Constant Function
3	{0} is a	A. Empty set B. Singleton set C. Zero set D. Null Set
4	Question Image	A. Biconditional B. Implication C. Antecedent D. Hypothesis
5	Question Image	A. A onto B B. both a & c C. A into B D. none of these
6	If A and B are two sets then any subset R of A x B 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. Addition B. Subtraction C. Multiplication D. None of these
8	Question Image	A. 1/x B. -x C. 2x D. 0.5 x
9	Question Image	
10	Which of the following is the subset of all sets?	
11	To each element of a group there corresponds ..... inverse element	A. Two B. One C. No D. Three
12	The set of first elements of the ordered pairs in a relation is called its	A. domain B. range C. relation D. function
13	The set R is _____ w.r.t subtraction	A. Not a group B. A group C. No conclusion drawn D. Non commutative group
14	If f:A→B is an injective function and second elements of no two of its ordered pairs are equal, then f is called	A. 1-1 and onto B. Bijective C. 1-1 and into D. None of these
15	For any set B,B∪B' is	A. Is set B B. Set B' C. Universal set
16	{1, 2, 3} is _____	A. an infinite set B. A finite set C. A singleton set D. Universal set
		A. {1, 2, 3, ... 100}

17	The set of natural numbers is a subset of	B. The set of whole numbers C. {2, 4, 6, 8, ...} D. None of these
18	A∪(A∪B)= ----------	A. B B. A C. A∪B D. None of these
19	A function whose range is just one elements is called	A. One-one function B. Constant function C. Onto function D. Identity function
20	G = {e, a, b, c} is an Abelian group with e as identity element. The order of the other elements are	A. 2, 2, 2 B. 3, 3, 3 C. 2, 2, 4 D. 2, 3, 4