ECAT Mathematics Chapter 2 Set Function and Groups

Sr	Questions	Answers Choice
1	{x|x∈R∧x≠x} is a	A. Infinite set B. Null set C. Finite set D. None of these
2	Question Image	D. None of these
3	Question Image	
4	If A⊆ B, and B is a finite set, then	A. n (a) < n(B) B. n(B)<(A) C. n(A)≤ n (B) D. n(A)≥ n(B)
5	Question Image	A. A = B B. B = C C. A = C D. None of these
6	Question Image	
7	The total number of subsets that can be formed out of the set {a, b, c} is	A. 1 B. 4 C. 8 D. 12
8	The set of complex numbers forms	A. Commutative group w.r.t addition B. Commutative group w.r.t multiplication C. Commutative group w.r.t division D. Non commutative group w.r.t addition
9	If there is one-one correspondence between A and B, then we write.	A. A = B B. A⊆ B C. A⊇ B D. A ~ B
10	If B ={x/x€ Z ^ - 3 < x < 6}, then n (B) =	A. 5 B. {-3,-2,-1,0,1,2,3,4,5,6} C. 8 D. 9
11	The extraction of cube root of a given number is a	A. Unary Operation B. Binary Operation C. Relation D. None of these
12	If A is a subset of B and B contains at least one element which is not an element of A, then A is said to be	A. Improper subset of B B. Super set of B C. Proper subset of B D. None of these
13	The identity elements with respect to subtraction is	A. 0 B. 1 C. -1 D. Does not exist
14	{x : xε Z and x < 1} is	A. Singleton set B. A set with two points C. Empty set D. None of these
15	The geometrical representation of a linear function is	A. Circle B. Parabola C. Straight lie D. None of these
16	If the intersection of two sets is non-empty, but either is a subset of other are called	A. Disjoint sets B. Over lapping C. Equal sets D. None of these
		A. {0}

17	The set which has no proper subset is	B. {} C. {∅} D. None of these
18	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
19	The multiplicative inverse of -1 in the set {1-, 1} is	A. 1 B. -1 C. 0 D. Does not exist
20	(A∩Bc)c= ----------	A. Ac∪Bc B. Ac∪B C. Ac∩B D. None of these