ECAT Mathematics Chapter 2 Set, Functions and Groups

Sr	Questions	Answers Choice
1	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
2	Question Image	A. Conclusion B. Implication C. Antecedent D. Hypothesis
3	Question Image	
4	The set {Z\{0}} is group w.r.t	A. Addition B. Multiplication C. Division D. Subtraction
5	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
6	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}
7	(A∪B)∪C= ----------	A. A∩B(B∪C) B. A∪(B∪C) C. A∪(B∩C) D. None of these
8	Question Image	A. A B. A' C. U D. None of these
9	Let A and B be two sets. If every element of A is also an element of B then	
10	Question Image	A. 4 B. 3 C. 2 D. 1
11	The set of whole numbers is subset of	A. The set on integers B. The set of natural numbers C. {1, 3, 5, 7, ...} D. The set of prime numbers
12	Group of none-singular matrices under multiplication is	A. None-Abelian group B. Semi group C. Abelian group D. None of these
13	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
14	For any set X, X∪X is	A. X B. X' C. Φ D. Universal Set
15	The sets {1, 2, 4} and {4, 6, 8, 10} are	A. Equal sets B. Equivalent sets C. Disjoint sets D. Over lapping sets
16	Which of the following is the subset of all sets?	
17	The set {Z\ {0} } is group w.r.t	A. Addition B. Multiplication C. Division

		D. Subtraction
18	The set of integer is	A. Finite group B. A group w.r.t addition C. A group w.r.t multiplication D. Not a group
19	The set {x|x∈N∧x-4=0} in tabular form is	A. {-4} B. {0} C. {} D. None of these
20	Question Image	A. n(A) B. n(B) C. 0 D. 1