

ECAT Mathematics Chapter 2 Set Function and Groups

C.	Overtions	Anguaga Chair-
Sr	Questions	Answers Choice
1	The number of different ways of describing a set is	A. One B. Two C. Three D. Four
2	Question Image	
3	If A = {2m/m ³ = 8 , m€ Z} then A =	A. {1,8,27} B. {4} C. (2,4,6} D. {2,16,54}
4	A = B iff	A. All elements of A also the elements of B B. A and B should be singleton C. A and B have the same number of elements D. If both have the same element
5	For any set B,B∪B' is	A. Is set B B. Set B' C. Universal set
6	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
7	Write down the power set of {9, 11}	
8	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
9	Question Image	
10	Given X,Y are any two sets such that number of elements in set $X = 28$, number of elements in set $Y = 28$, and number of elements in set $X \cup Y = 54$, then number of elements in set $X \cap Y = 54$.	A. 4 B. 3 C. 2 D. 1
11	Question Image	D. None of these
12	Question Image	A. Addition B. Multiplication C. Division D. Both addition and multiplication
13	If P = $\{x/x = p/q \text{ where } p,q \in Z \text{ and } q \neq 0\}$, then P is the set of	A. Irrational numbers B. Even numbers C. Rational numbers D. Whole numbers
14	The set of natural is a semi group w.r.t	A. Addition B. Division C. Subtraction D. None of these
15	The set X is	A. Proper Subset of X B. Not A subset of X C. Improper Subset of X D. None of these
16	The set {x x∈N∧x-4=0} in tabular form is	A. {-4} B. {0} C. {} D. None of these
17	Which conjunction is not true?	
18	Which of the following is the definition of singleton	A. The objects in a set B. A set having no element C. A set having no subset

		D. None of these
19	The graph of a quadratic function is	A. Circle B. Ellipse C. Parabola D. Hexagon
20	A = B if	D. A is equivalent to B