

ECAT Mathematics Chapter 2 Set Function and Groups

Sr	Questions	Answers Choice
1	A function whose range is just one element is called	A. One-one function B. Constant function C. Onto function D. Identity function
2	$G = \{e, a, b, c\}$ 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
3	Question Image	A. A is proper subset of B B. A is an improper subset of B C. A is equivalent to B D. B is subset of A
4	Question Image	A. a constant function B. linear function C. quadratic funtion D. none of these
5	A set having only one element is called	A. An empty set B. Universal set C. A singleton set D. A power set
6	For a set A, $A \cup A^c =$ -----	A. A B. \emptyset C. A^c D. U
7	Let A,B and C be any sets such that $A \cup B = A \cup C$ and $A \cap B = A \cap C$ then	A. $A = B$ B. $B = C$ C. $A \neq C$ D. $A \neq B$
8	Power set of X i.e $P(X)$ _____ under the binary operation of union U	A. Forms a group B. Does not form a group C. Has no identity element D. Infinite set although X is infinite
9	For any set B, $B \cup B'$ is	A. Is set B B. Set B' C. Universal set D. None of these
10	Multiplicative inverse of "1" is	A. 0 B. -1 C. 1 D. $\{0, 1\}$
11	The set $\{\{a,b\}\}$ is	A. Infinite set B. Singleton set C. Two points set D. None
12	$A = B$ 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
13	Φ set is the _____ of all sets	A. Subset B. Union C. Universal D. Intersection
14	Question Image	A. A B. A' C. U D. U'
15	The set which has no proper subset is	A. $\{0\}$ B. $\{\}$ C. $\{\emptyset\}$ D. $\{\emptyset, \{\emptyset\}\}$

		D. None of these
16	The graph of a linear function is	A. a circle B. triangle C. a straight line D. none of these
17	If we have a statement "if p then q" then q is called	A. Conclusion B. Implication C. Unknown D. Hypothesis
18	The set R isw.r.t subtraction	A. Not a group B. A group C. No conclusion drawn D. Non commutative group
19	A disjunction of two statement p and q is true	A. p is false B. q is false C. Both p and q are false D. One of p and q is true
20	Question Image	