

ECAT Mathematics Chapter 2 Set Function and Groups

Sr	Questions	Answers Choice
1	The number of different ways of describing a set is	A. One B. Two C. Three D. Four
2	Write down the power set of {9, 11}	
3	Φ set is the _____ of all sets	A. Subset B. Union C. Universal D. Intersection
4	Question Image	
5	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
6	Question Image	D. none of these
7	Question Image	
8	Question Image	A. $a-b=ab$ B. $ab=a$ C. $a+b=ab$
9	Question Image	D. None of these
10	If $n(X) = 18$, $n(X \cap Y) = 7$, $n(X \cup Y) = 40$ then $n(Y) =$	A. 1 B. 12 C. 5 D. 29
11	If $A \subseteq B$, and B is a finite set, then	A. $n(A) < n(B)$ B. $n(B) < n(A)$ C. $n(A) \leq n(B)$ D. $n(A) \geq n(B)$
12	Question Image	A. An empty set B. Universal set C. A singleton set D. None of these
13	To each element of a group there corresponds inverse element	A. Two B. One C. No D. Three
14	The set of all positive even integers is	A. Not a group B. A group w.r.t subtraction C. A group w.r.t division D. A group w.r.t multiplication
15	Question Image	A. $A = C$ B. $A = B$ C. $B = C$ D. None of these
16	Identity w.r.t intersection in a power set of any set is	A. \emptyset B. Set itself C. Singleton set D. {0}
17	The set of the first elements of the ordered pairs forming a relation is called its	A. Function on B B. Range C. Domain D. A into B
18	For any set B, $B \cup B'$ is	A. Is set B B. Set B' C. Universal set 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	The set $\{1, -1, i, -i\}$ form a group under	A. Addition B. Multiplication C. Subtraction D. None
