

ECAT Mathematics Chapter 2 Set Function and Groups

Sr	Questions	Answers Choice
1	Question Image	D. None of these
2	If there is one-one correspondence between A and B, then we write.	A. $A = B$ B. $A \subseteq B$ C. $A \supseteq B$ D. $A \sim B$
3	Question Image	A. A B. A' C. U D. None of these
4	Question Image	D. none of these
5	The logic in which every statement is regarded as true or false and no other possibility is called	A. Aristotelian logic B. Inductive logic C. Non-Aristotelian logic D. None of these
6	The multiplicative inverse of -1 in the set $\{-1, 1\}$ is	A. 1 B. -1 C. 0 D. Does not exist
7	To each element of a group there corresponds inverse element	A. Two B. One C. No D. Three
8	The graph of a quadratic function is	A. Circle B. Ellipse C. Parabola D. Hexagon
9	Question Image	A. square root function B. identity function C. linear function D. quadratic function
10	$A = B$ 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
11	Multiplicative inverse of 0 is	A. 0 B. 1 C. +1 D. Does not exist
12	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
13	For any set B, $B \cup B'$ is	A. Is set B B. Set B' C. Universal set
14	Decimal part of irrational number is	A. Terminating B. Repeating only C. Neither repeating nor terminating D. Repeating and terminating
15	A statement which is either true or false is called	A. Induction B. Deduction C. Proposition D. Logic
16	The multiplicative inverse of x such that $x \neq 0$ is	A. -x B. Does not exist C. $1/x$ D. ± 1

17	Question Image	A. Singleton set B. A set with two points C. Empty set D. None of these
18	Multiplicative inverse of "1" is	A. +- 1 B. 0 C. 1 D. None of these
19	Power set of X i.e $P(X)$ _____ under the binary operation of union \cup	A. Forms a group B. Does not form a group C. Has no identity element D. Infinite set although X is infinite
20	The negation of a number	A. a relation B. a function C. unary operation D. binary operation