

ECAT Mathematics Chapter 2 Set Function and Groups

Sr	Questions	Answers Choice
1	The graph of a quadratic function is	A. Circle B. Straight line C. Parabola D. Triangle
2	Question Image	A. Addition B. Multiplication C. Division D. Both addition and multiplication
3	Question Image	
4	The set $\{\{a,b\}\}$ is	A. Infinite set B. Singleton set C. Two points set D. None
5	$\{1, 2, 3, 4, \dots\}$ is set of _____	A. Natural numbers B. Whole numbers C. Integers D. Rational numbers
6	Question Image	A. $n(A)$ B. $n(B)$ C. 0 D. 1
7	The set $\{-1, 1\}$ is closed under the binary operation of	A. Addition B. Multiplication C. Subtraction D. Division
8	Z is a group under	A. Subtraction B. Multiplication C. Addition D. None of these
9	If $0 = \{1, 3, 5, \dots\}$, then $n(0) =$	A. Infinite B. Even numbers C. odd integers D. 99
10	Question Image	
11	Question Image	
12	Multiplicative inverse of "1" is	A. 0 B. -1 C. 1 D. $\{0, 1\}$
13	The complement of set A relative to universal set U is the set	
14	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. $A \sim B$
15	Let A and B be two sets. If every element of A is also an element of B then	
16	The set $(Q, +)$	A. Forms a group B. Does not form a group C. Contains no additive identity D. Contains no additive inverse
17	The set Q	A. Forms a group under addition B. Does not form a group C. Contains no additive identity D. Contains no additive inverse
18	Question Image	A. Natural numbers B. Whole numbers C. Integers D. Rational numbers

19

Question Image

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A conjunction of two statement p and q is true only if

- A. p is true
- B. q is true
- C. Both p and q are true
- D. both p and q are false