SETS

FINITE & INFINITE SET

EXERCISE

Q.1 Which of the following set is finite?

(a) {1,2,3,4,……..}

(b) {4,7,9}

(c) {1,4,9,16,……..}

(d) {1,8,27,……..}

Q.2 The finite set can have _____ number of elements.

(a) only zero

(b) only one

(c) at least one

(d) zero or more but not infinite

Q.3 The set is infinite if it has _____ number of elements.

(a) zero

(b) one

(c) finite

(d) infinite

Q.4 Which of the following is infinite set?

(a) Set of days of week

(b) Set of points on a line

(c) Set of months in a year

(d) Set of prime numbers less than 99

Q.5 Set of letters of English alphabet is_____

(a) empty set

(b) singleton set

(c) finite set

(d) infinite set

Q.6 Which of the following is a finite set?

(a) Set of natural numbers

(b) Set of whole numbers

(c) Set of even numbers

(d) Set of even prime number

Q.7 Which of the set is singleton set?

(a) Set of odd prime numbers

(b) Set of even prime numbers

(c) Set of odd numbers

(d) Set of prime numbers

Q.8 Set $\{x : x \text{ is a natural number and } 2x+1=0\}$ is a finite set?

(a) True

(b) False

Q.9 Set of solutions of a quadratic equation is finite set.

(a) True

(b) False

Q.10 Finite set _____ empty set.

(a) is same as

(b) is an

(c) is not

(d) may or may not

Q.11 Which of the following is an infinite set?

(a) A set of girls in a college

(b) A set of players in a cricket team

(c) A set of points in a Line

(d) A set of edges in a square

Q.12 Which of the following is true?

(a) A finite set has an infinite number of elements

(b) An empty set is a finite set

(c) An empty set is neither finite nor infinite

(d) An infinite set has a countable number of elements

Q.13 Which of the following is a finite set?

(a) Set of points in a line

(b) Set of natural numbers

(c) Set of mothers in a family

(d) Set of prime numbers

ANSWER KEY

1. (b)
2. (d)
3. (d)
4. (b)
5. (c)
6. (d)
7. (b)
8. (a)
9. (a)
10. (d)
11. (c)
12. (b)
13. (c)