SETS

FINITE & INFINITE SET

EXERCISE

Q.1 Which set among the following is finite?

(a) {1,2,3,4,……..} (b) {4,7,9}

(c) {1,4,9,16,……..} (d) {1,8,27,……..}

Q.2 A finite set can contain a _____ 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 considered infinite when it has _____ number of elements.

(a) zero (b) one (c) finite (d) infinite

Q.4 Which set among the following is considered infinite?

(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 The set comprising the letters of the English alphabet is_____.

(a) empty set (b) singleton set (c) finite set (d) infinite set

Q.6 Which set from the following is considered finite?

(a) Set of natural numbers (b) Set of whole numbers

(c) Set of even numbers (d) Set of even prime number

Q.7 Which set is classified as a 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 Is the Set {x : x is a natural number and 2x+1=0} is a finite set?

(a) True (b) False

Q.9 The set comprising the solutions of a quadratic equation is a 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 set from the following is considered infinite?

(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 statement among the following is accurate?

(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 set from the options is considered finite?

(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)