

Set Worksheet – 3

1. $P = \{x \mid x \text{ is a point common to any two parallel lines}\}$ is a finite set. Mark True / False.

- a) True
- b) False

2. $Q = \text{Set of even numbers less than 20}$ is a finite set. Mark True / False.

- a) True
- b) False

3. $A = \text{Set of consonants in English alphabet}$ is an infinite set. Mark True / False.

- a) True
- b) False

4. The set of even prime number is a _____ set.

- a) Finite
- b) Infinite
- c) Empty
- d) Singleton

5. The set of months having 28 days in a calendar year is a finite set. Mark True / False.

- a) True
- b) False

6. Set of whole numbers are known as _____ set.

- a) Finite
- b) Infinite
- c) Empty
- d) Singleton

7. Cardinal number of a singleton set is _____.

- a) 0
- b) 1
- c) 2
- d) 3

8. What is the cardinal number of below mentioned set?

$P = \{a, e, i, o, u\}$

- a) 2
- b) 3
- c) 4
- d) 5

9. $Q = \{x \mid x \text{ is a month of the year}\}$, find the cardinal of the set Q.

- a) 12
- b) 11
- c) 10
- d) 9

10. Set of all colors of a rainbow is a singleton set. Mark True / False.

- a) True
- b) False

11. Find out the finite set from below given sets.

- a) The set of all whole numbers
- b) The set of all even numbers
- c) The set of all factors of 12
- d) The set of all prime numbers

12. Cardinal number of an empty set is _____.

- a) 0
- b) 1
- c) 2
- d) 3

13. Cardinal number of an infinite set is _____.

- a) 0
- b) 1
- c) 2
- d) None of these

14. Set of all natural numbers between 9 and 10 is known as _____ set.

- a) Finite
- b) Infinite
- c) Empty
- d) Singleton

15. Set of all odd numbers less than one lakh is known as _____ set.

- a) Finite
- b) Infinite
- c) Empty
- d) Singleton