

EXERCISE 10 (C)

1. State whether the given set is finite or infinite.

- i) infinite
- ii) finite
- iii) infinite
- iv) finite

2. Which of the following sets is empty?

- i) empty
- ii) not empty
- iii) empty
- iv) empty
- v) not empty

3. State which part of sets given below are equal sets and which are equivalent:-

- i) ~~{3, 5, 7}~~ Equal
- ii) equal
- iii) equivalent
- iv) equivalent

4. State which of the following sets are finite sets and which are infinite.

- i) Set of integers

Ans = Infinite

- ii) Infinite
- iii) Infinite

- iv) Finite

- v) Infinite

- vi) Finite

- vii) Finite

- viii) Infinite

- ix) Infinite

- x) Infinite

5. State whether or not the following sets are empty:

- i) Not empty
- ii) empty

iii) Empty

iv) Not empty

v) Not empty

6. i) Equivalent

ii) Equal

iii) Equal

iv) Equal

v) Equal

7. i) Finite

ii) Infinite

iii) Finite

iv) Finite

v) Infinite

8. i) False

ii) False

iii) True

iv) True

v) True

vi) False

Exercise 10CE

1. Write the cardinal number of each of the following sets:

i) $A = \{0, 1, 2, 4\}$

$\Rightarrow 4$

i) 6

ii) 0

iii) 3

ii) 0 9

ii) 4

iv) 4

v) 0

3. i) F

ii) F

iii) T

iv) F