

1. State whether the given set is infinite or finite

i) infinite

ii) finite

iii) infinite

iv) finite

2. Which of the following sets is empty

i) iii and iv

iii Set of odd numbers between 7 and 9

iv - Set of even numbers that are not divisible by 2

3. State which pair of sets given below are equal and which are equivalent.

i) Equal

iv - Equivalent

ii) Equivalent

iii) Equal

Q.1 State which of the following are finite and infinite

- i. Infinite
- ii. Infinite
- iii. Infinite, infinite
- iv. Finite
- v. Infinite
- vi. Finite
- vii. Finite
- viii. Infinite
- ix. Infinite
- x. Infinite

Q.2 State whether or not the following sets are empty.

- i. Not empty iv. Not empty vii. Not empty
- ii. Empty v. Not empty
- iii. Empty vi. Empty

6. Equivalent

i) Equal

ii) Equal

iii) Equal

iv) Equal

v) Equivalent

vi) finite

i) infinite

iii) finite

iv) finite

v) infinite

vi) finite

S: true or false

U: True (each set is empty)

i) false false

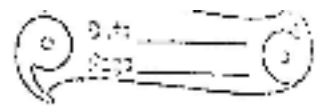
U: True

ii) false

U: false (6 is an

iii) true

even natural number)



is not divisible by b .

For any positive number ϵ can be less than

ϵ - false