

Ex-10 (11)

(i) Set of $3, 4, 5, 6, 7, \dots$ is infinite

(ii) Set of $1, 2, 3, 4$ is finite

(iii) Set of $\dots, -3, -2, -1, 0, 1, 2$ is infinite

(iv) Set of $\{20, 30, 40, 50, \dots, 200\}$ is finite

Q

(i) $\{5, 6\}$ Hence, it's not an empty set.

(ii) $\{7, 9, 11, 13, 15, 17, 19\}$ Hence, it is not empty set.

(iii) $\{0\}$ Hence, it's an empty set.

(iv) $\{0\}$ Hence, it's an empty set.

(v) $\{0\}$ Hence, it is an empty set.

3. (i) Equal

(ii) Equivalent

(iii) Equal

(iv) Equivalent

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4) (i) Infinite

(ii) Infinite

(iii) Infinite

(iv) Finite

(v) Infinite

(vi) Finite

(vii) Finite

(viii) Infinite

(ix) Infinite

(x) Infinite

5) (i) Not empty

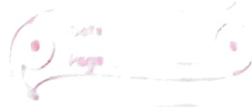
(ii) Empty

(iii) Empty

(iv) Not empty

(v) Not empty

(vi) Empty



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~~(i)~~ (ii) Not empty

6/ (i) Equivalent

(ii) Equal

(iii) Equal

(iv) Equal

(v) Equal

(vi) Equivalent

7/ (i) Finite

(ii) Infinite

(iii) Finite

(iv) Finite

(v) Infinite

(vi) Finite

8/ (i) False

(ii) False

(iii) True

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(iv) True

(v) True

(vi) False

(vii) True

(viii) False

q) (i) Disjoint sets

(ii) Overlapping sets

(iii) Overlapping sets

(iv) Overlapping sets

(v) Overlapping sets

(vi) Disjoint sets.