

Ex 10 (D)

1) i. $\{3, 5, 7, \dots\}$ Infinite

ii. $\{1, 2, 3, 4\}$ finite

2) i. set of counting no between 5 and 6.

ii. $\{0\}$ Empty set

Empty set

iii. Set of odd No between 7 to 19. Not empty set

3) i. $\{3, 5, 7\}$ and $\{5, 3, 7\}$ = Equal

ii. $\{8, 6, 10, 12\}$ and $\{3, 2, 4, 6\}$ Equivalant

4) i. set on intergers. Indefinite

ii. $\{ \text{Multiple of } 5 \}$ Indefinite

iii. $\{ \text{friction between } 1 \text{ and } 2 \}$ Indefinite

iv. $\{ \text{Number of people in India} \}$ finite

v. Set of leaves on a tree. finite

Ex-10 (E)

* A number of element in a set is cardinal number.

1) i. $A = \{0, 1, 2, 3, 7\} - 4$

ii. $B = \{-3, -1, 1, 3, 5, 7\} - 6$

iii. $C = \{7\} - 0$

2) i. $n(A) = 4$

ii. $n(B) = 6$

iii. $n(C) = 1$

iv. $n(D) = 0$

3) i. False, $n(A) = 4$

ii. False, $n(Q) = 0$

iii. True

iv. False; $n(B) = 6$