Ex-10(D)

(1) i) Ans It is infinite set. {3, 5, 7, ...}

ii) {1, 2, 3, 4}
Ans It is finite set.

iii) Ans {..., -3, -2, -1, 0, 1, 2}
Infinite set.

iv) {20, 30, 40, 50, ... 200}
Ans finite set

(2) Which of the following sets is empty?

i) Ans It is empty set.
ii) Ans It is not an empty set.

iii) Ans It is empty set.

iv) Ans It is empty set.
v) Ans It is an empty set.

(3) i) Ans Equal set
ii) Ans Equivalent set
iii) Ans Equal set

iv) Equivalent set

(4) (i) Infinite set
(ii) Infinite set
(iii) Infinite set
(iv) Finite set
(v) Infinite set
(vi) Finite set
(vii) Finite set
(viii) Infinite set

(ix) Infinite set
(x) Infinite set

(2) Given: i) n(A)

A → 9

ii) n(B)

→ 4 is the cardinal no.

iii) n(C)

→ 4

iv) n(D)

→ 0

(3) State true or false for each of the following. Correct the corong statement.

i) If $A = \{0\}$, then $n(A) = 0$

A) False = $n(A) = 1$

ii) False = $n(\emptyset) = 0$

iii) A) True

iv) A) False, $n(B) = 4$