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Ex 10 (c)

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

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

Ans: 4

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

Ans: 6

iii) $C = \{\}$

Ans: 0

iv) $D = \{3, 2, 2, 1, 3, 1, 2\}$

Ans: 7

v) $E = \{$ Natural numbers between 15 and 20$\}$

Ans: 4

vi) $F = \{$ whole numbers from 8 to 14$\}$

Ans: 6

2) Given- $A = \{$ Natural numbers less than 10$\}$
$B = \{$ Letters of the word 'PUPPET'$\}$
$C = \{$ squares of the first four whole no.$\}$
$D = \{$ Odd numbers divisible by 2$\}$

Find:

i) $n(A) = 9$
ii) $n(B) = 4$
iii) $n(C) = 4$
iv) $n(D) = 0$

Sreedhar

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

i) if $A = \{0\}$, then $n(A) = 0$. False
Correct- If $A = \{0\}$, then $n(A) = 1$

ii) $n(\emptyset) = 1$ False
Correct: $n(\emptyset) = 0$

iii) If $T = \{a, l, Ba, h, b, a, d, h\}$, Then $n(T) = 5$. True

iv) If $B = \{1, S, S1, 1S, S, 1\}$, Then $n(B) = 6$. False
Correct- If $B = \{1, S, S1, 1S\}$ then $n(B) = 4$

Sneha