

Ex: 10C.00

1. Write cardinal number of following sets.

(i) Set A = {0, 1, 2, 4}
 ~~Set B~~ Ans = 4 elements

(ii) Set B = {-3, -1, 1, 3, 5, 7}
 6 elements

(iii) Set C = {}
 0 elements

(iv) Set D = {3, 2, 2, 1, 3, 1, 2}
 3 elements

(v) Set E = {Natural numbers between 15 and 20}
 4 elements

(vi) Set F = {whole numbers ~~between~~ ^{from} 8 to 14}
 7 elements

2. A = Natural numbers less than 10.
 9 elements $n(A) = 9$ $m(A) = 9$

B = {letters of word "puppet"}
 4 elements $m(B) = 4$

C = {Square of first four whole numbers}
 $n(C) = 4$

D = {odd numbers divisible by 2}

$n(D) = 0$

3. True or False
(i) $\neg \neg A = A$

(ii) $\neg \neg \neg T = T$

(iii) $\neg \neg \neg F = F$

(iv) ...

Siddhant Nath
G-B, 3533

Date 2
Page

2. True or False
- (i) If $A = \{0\}$, then $n(A) = 0$. False
- (ii) If $T = \{a, t, q, h, b, d, h\}$; then $n(T) = 5$.
- (iii) If $B = \{1, 5, 5, 15, 5, 1\}$, then $n(B) = 6$.
True
False
- (iv) $n(\emptyset) = 1$ False
Correct Answer = 0