

$C =$ Squares of first four whole numbers

Hence, $n(C) = 4$

(iv) $A \cap B = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20\}$
E, T) and

(3) \forall correct statement. $n(A) = 10$ then

(ii) correct statement $n(B) = 10$

(iii) $T = \{a, b, c, d\}$

$n(T) = 4$

(iv) The statement given here is False

$B = \{1, 3, 5, 7, 9, 11, 13, 15, 17, 19\}$

$n(B) = 10$

(v) Given set is

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

$(E) = \{16, 17, 18, 19\}$

Hence, the cardinal number is $n(E) = 4$

(c) (i) $(A) = \{\text{Natural numbers less than 10}\}$

(ii) $(B) = \{\text{Letters of the word PUPPET}\}$

(iii) $(C) = \{\text{Squares of first four whole numbers}\}$

(iv) $(D) = \{\text{Odd numbers divisible by 2}\}$ Hence

$(A) = \{\text{Natural numbers less than 10}\}$

Hence, $n(A) = 9$

$(B) = \{\text{Letters of the word 'PUPPET'}\}$

$(B) = \{P, U, E, T\}$

Hence, $n(B) = 4$

Q. 10(B)

(i) Given set is

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

Here, the cardinal number i.e. $n(A) = 4$

(ii) Given set is

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

Here, the cardinal number i.e. $n(B) = 6$

(iii) Given set is

$$C = \{3\}$$

~~D~~

Here, the cardinal number i.e. $n(C) = 1$

(iv) Given set is

$$D = \{3, 2, 2, 1, 3, 12\}$$

$$E = \{1, 2, 3\}$$

Here, the cardinal number i.e. $n(E) = 3$