

## Exercise - 10(E)

①

①  $A = \{0, 1, 2, 4\}$  i.e.  $n(A) = 4$

②  $B = \{3, -1, 1, 3, 5, 7\}$  i.e.  $n(B) = 6$

③  ~~$C = \{0\}$~~   $C = \{\}$  i.e.  $n(C) = 0$

④  $D = \{3, 2, 2, 3, 1, 2\} \Rightarrow D = \{3, 2, 1\}$  i.e.  $n(D) = 3$

⑤  $E = \{16, 17, 18, 19\}$  i.e.  $n(E) = 4$

⑥  $F = \{8, 9, 10, 11, 12, 13, 14\}$  i.e.  $n(F) = 7$

②

Here,

$$A = \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$$

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

$$C = \{0, 1, 4, 9\}$$

$$D = \{\}$$

①  $n(A) = 9$

②  $n(B) = 4$

③  $n(C) = 4$

④  ~~$n(D) = 0$~~

⑤  ~~$n(D) = 0$~~

③

① False

$$n(A) = 1$$

② False

$$n(\varnothing) = 0$$

③ True

④ False

$$B = \{1, 5, 51, 15\} \Rightarrow n(B) = 4$$