

From the information we can say A and B will be,

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

$$B = \{2, 10, 3, 6, 9\}$$

which fill up the conditions.

Answer no: 11

$$(i) \{2, 4, 6, 8, 10\}$$

$$\{n | n \text{ is an even integer, } 2 \leq n \leq 10\}$$

$$(ii) \{2, 3, 5, 7, 11\}$$

$$\{n | n \text{ is a prime number, } 2 \leq n \leq 11\}$$

$$(iii) \{\text{January, June, July}\}$$

$$\{x | x \text{ is a month, } x \in \{\text{January, June, July}\}\}$$

$$(iv) \{a, e, i, o, u\}$$

$$\{n | n \text{ is a lowercase vowel, } n \in \{a, e, i, o, u\}\}$$