

2)

(i) False,  $5 \notin B$

(ii) True

(iii) True

(iv) False,  $9 \notin B$

(v) True

(vi) True

3)

(i) False

(ii) True

(iii) False

(iv) True

(v) True

(vi) True

(vii) True

4)

$$(i) \{-1, 2, 3, 4, 6, 8, 12, 24\}$$

$\{x: x \text{ is a natural number which divides } 24 \text{ completely}\}$

$$(ii) \{21, 23, 25, 27, 29, 31, 33\}$$

$\{x: x \text{ is an odd number between } 20 \text{ and } 35\}$

(iii)  $\{c, a, l, u, t\}$

$\{x: x \text{ is a letter used in the word } \text{CALCUTTA}\}$

(iv)  $\{\text{January, February, March, April, May}\}$

$\{x: x \text{ is the name of first five months of a } \text{year}\}$

(v)  $\{16, 25, 36, 49, 64, 81\}$

$\{x: x \text{ is a perfect square two-digit number}\}$

5)

(i)  $\{5, 15, 25, 35\}$

(ii)  $\{18, 24, 30\}$

(iii)  $\{\text{Friday, Saturday, Sunday}\}$

(iv)  $\{\text{September, October, November, December}\}$