

②

① Wrong. $5 \notin B$

② Correct.

③ Correct.

④ Wrong. $9 \notin B$

⑤ ~~Wrong~~ Correct.

⑥ Correct.

③

① False.

⑥ True.

② True.

⑦ True.

③ False.

④ True.

⑤ True.

(A)

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

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

(ii) $\{1, 23, 25, 27, 29, 31, 33\}$

$\{x: x \text{ is a natural number which is odd and is between } 20 \text{ and } 35\}$

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

$\{x: x \text{ is a } \overset{\text{letter}}{\text{word}} \text{ used in the word 'Calcutta'}\}$

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

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

(v) $\{6, 25, 36, 49, 64, 81\}$

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

5

i) { 5, 15, 25, 35 }

ii) { 18, 24, 30 }

iii) { Friday, Saturday, Sunday }

iv) { September, October, November, December }