

Sets

① Well defined sets are -

- Ⓐ All colours in rainbow
- Ⓑ All honest members in the family
- Ⓒ All the consonants of english alphabet
- Ⓓ All the tall boys of school.
- Ⓔ All the efficient doctors of hospital.
- Ⓕ All the hardworking teachers in school
- Ⓖ All prime nos less than 100.
- Ⓗ All the letters in the word Geometry.

② $A = \{a, b, c, d, e\}$

- Ⓐ $d \in A$
- Ⓑ $y \notin A$
- Ⓒ $m \notin A$
- Ⓓ $a \in A$
- Ⓔ $e \in A$
- Ⓕ $x \notin A$

Ⓐ $A = \{ \text{even numbers between 1 and 9} \}$

Ⓑ $B = \{ x : x = 3n, n \in \mathbb{N} \text{ and } 1 < n < 27 \}$

Ⓒ $C = \{ x : n \in \text{odd nos, } x = 2n \text{ given } + n(\text{odd no}) \}$

Ⓓ $D = \{ \text{all the odd nos} \}$

Ⓔ $E = \{ x : n + 2, n \in \text{even natural nos} \}$

Ⓕ $F = \{ x \in \mathbb{Z}, -10 \leq x \leq 5 \}$

Ⓖ $G = \{ \text{neither } -ve \text{ nor } +ve \}$

Ⓗ $H = \{ \text{empty} \}$