

1. (i) True

(ii) True

(iii) False

(iv) False

2. (i) Wrong; $5 \notin B$

(ii) correct

(iii) correct

(iv) Wrong; $9 \notin B$

(v) correct

(vi) correct

3. (i) False

(ii) True

(iii) False

(iv) True

(v) True

(vi) True

(vii) True

4. (i) $\{1, 2, 3, 4, 5\}$

(ii) $\{Acute\ angle, Obtuse\ angle\ and\ Right\ angle\}$

(iii) $\{Scaleno\ -\ Triangle, isosceles\ -\ triangle,$

$\&\ equilateral\ -\ triangle\}$

(iv) $\{Bhaswan\ sardar, Bhaskar\ sardar\ and\ Sumana\ sardar\ members\ of\ your\ family\}$

(v) $\{b, c, d, f, g, h\}$

(vi) $\{a, e, i, o\}$

(vii) $\{Indira\ Gandhi, Atal\ Bihari\ Vajpayee, Dr. Manmohan\ Singh\}$

5. a) (i) 3, 8, 5, 15, 12 and 7

(ii) c, m, n, o and s

b) (i) $\{2, 4, 8, 16, 64, 128\}$

(ii) $\{3, 5, 15, 45, 75, 90\}$

6. (i) $\{b, h, o, p, a, l\}$

(ii) $\{e, a\}$

(iii) $\{h, n, g, k\}$