

② If set $B = \{4, 6, 8, 10, 12, 14\}$,

state which of the following
statements are correct and

which are wrong:

i) $5 \in B$

As wrong $\rightarrow 5 \notin B$

ii) $12 \in B$

As Correct

iii) $14 \in B$

As Correct

iv) $9 \in B$

As wrong $\rightarrow 9 \notin B$

v) B is the set of even no.s between 2 and 10.

As Correct

vi) 4, 6 and 10 are the members of the set B.

As Correct

vii) ~~True~~ Correct

3) i) A3 False

ii) A3 True

iii) A3 False

iv) A3 True

v) A3 True

vi) A3 True

vii) A3 True

1) Write each of the following sets in Roster (tabular) form and also in Set-Builder Form:

i) $A = \{1, 2, 3, 4, 6, 8, 12, 24\}$; $\{x: x \text{ is a natural number which divides } 24 \text{ completely}\}$

ii) $A = \{21, 23, 25, 27, 29, 31, 33\}$; $\{x: x \text{ is an } \cancel{\text{natural}} \text{ odd number between } 20 \text{ and } 35\}$

iii) $A = \{c, a, l, c, u, t, t, a\}$; $\{x: x \text{ is a letter used in the word } \cancel{\text{CALCUTTA}} \text{ 'CALCUTTA'}\}$

iv) $A = \{\text{January, February, March, April, May}\}$; $\{x: x \text{ is a name of first five months of a year}\}$

v) AS $\{16, 25, 36, 49, 64, 81\}$; $\{x: x \text{ is a perfect square two digit number}\}$

⑤ Write in Roster form, the set of:

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

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

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

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