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* EX 10 (B)

2) If set $B = \{4, 6, 8, 10, 12, 14\}$, state which is correct

i. $5 \in B$ - wrong

ii. $12 \in B$ - correct

iii. B is a set of even numbers between 2 and 16. correct.

3) State true or False.

i. Sets $\{4, 9, 6, 2\}$ and $\{6, 2, 9, 4\}$ are not same. False

ii. Set $\{0, 1, 3, 9, 4\}$ and $\{4, 0, 1, 3, 9\}$ are the same. True

iii. Set $\{5, 4\}$ and $\{5, 4, 4, 5\}$ are not same. False

* EX - 10. C

3) i. $\{2, 4, 6, 8, 10\} = \{x : x \text{ is an even natural less than } 12\}$

ii. $\{2, 3, 5, 7, 11\} = \{x : x \text{ is a prime number less than } 12\}$

iii. $\{\text{January, June, July}\} = \{x : x \text{ is a month whose name starts with J}\}$

4) i. set all numbers that divide by ~~20~~ 24 -

$\{1, 2, 3, 4, 6, 8, 12, 24\}$; $\{x : x \text{ is a number which divide } 24\}$

ii. set of odd numbers between ~~20~~ 20 and ~~35~~ 35.

$\{21, 23, 25, 27, 29, 31, 33\}$; $\{x : x \text{ is an odd number between } 20 \text{ and } 35\}$.