(2) i) $5 \in B$ = False because $5 \notin B$

ii) $12 \in B$ = True

iii) $14 \in B$ = True.

iv) $9 \in B$ = False because $9 \notin B$

v) B is the set of even numbers between 2 to 16. = True

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

(3) i) Sets {4, 9, 6, 2} and {6, 2, 4, 9} are not the same = False

ii) Sets {0, 1, 3, 9, 4} and {4, 0, 1, 3, 9} are the same = True

iii) Sets {5, 4} and {5, 4, 4, 5} are not the same = False

iv) Sets {8, 3} and {833, 8} are the same = True

v) Collection of vowels in the set 'ALLAHABAD' forms a set = True

vi) If P is the set of letters in the word 'ROOP'; then P = {p, o, r} = True

vii) If M is the set of letters used in the word 'MUMBAI'; then:
M = {m, u, b, a, i} True

④ i) {2, 3, 4, 6, 8, 12, 24}

{x : x is the natural number that divides 24 completely}

ii) {21, 23, 25, 27, 29, 31, 33}

{x : x is the odd number between 20 and 35.}

iii) {c, a, l, u, t}

{x : x is the set of letters used in the forms 'CALCUTTA'}

iv) {January, February, March, April, May}
{x: x is the name of the first five months}

v) {16, 25, 36, 49, 64, 81}
{x: x is the perfect square two digit number}

(5) i) {5, 15, 25, 35}
ii) {18, 24, 30}
iii) {Friday, Saturday, Sunday}
iv) {September, October, November, December}