

Ex - 10(c)

1. Write each of the following sets in the Roster form:

(i) Ans -  $\{6, 9, 12, 15, 18\}$

(ii) Ans -  $\{-3, -2, -1, 0, 1, 2, 3\}$

(iii) Ans -  $\{s, c, h, o, l\}$

(iv) Ans -  $\{1, 3, 5, 7, 9\}$

(v) Ans  ~~$\{A, E, I\}$~~   $\{a, e, i\}$

(vi) Ans -  $\{M, D, R, S\}$

2. Write each given set in the Roster Form:

(i) Ans -  $\{2, 3, 5, 7, 11, 13, 17, 19\}$

(ii) Ans -  $\{1, 4, 9, 16\}$

(iii) Ans -  $\{2, 4, 6, 8\}$

(iv) Ans -  ~~$\{A, B, C, D, E, F, G, H\}$~~   $\{a, b, c, d, e, f, g, h\}$

(v) Ans -  ~~$\{B, A, S, K, E, T\}$~~   $\{b, a, s, k, e, t\}$

(vi) Ans -  $\{\text{Jaipur, Jaisalpur, Jodhpur, Jangladeshpur}\}$

(vii) Ans -  $\{\text{rectangle, triangle, circle, square}\}$

(viii) Ans -  $\{0, a\}$

(ix) Ans -  $\{1, 4, 9\}$

Recd  
09/07/21

Homework

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3. (i)  $\{x : x \text{ is a } \overset{\text{even}}{\text{Members}} \text{ between 1 and 10} \}$

(ii)  $\{x : x \text{ is a } \overset{\text{months}}{\text{prime numbers}} \text{ between 1 and 12} \}$

(iii)  $\{x : x \text{ is a } \overset{\text{words}}{\text{words}} \text{ start with J} \}$

(iv)  $\{x : x \text{ is a } \overset{\text{vowels}}{\text{vowels}} \}$

(v)  $\{x : x \text{ is a } \overset{\text{days}}{\text{days}} \text{ start with T} \}$

(vi)  $\{x : x \text{ is a } \overset{\text{perfect square}}{\text{perfect square}} \text{ natural no. upto 29} \}$

(vii)  $\{x : x \text{ is a } \overset{\text{natural number}}{\text{natural number}} \text{ upto 30 and divisible by 5} \}$

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

(ii)  $\{21, 23, 25, 27, 29, 31, 33\}, \{x : x \text{ is a } \overset{\text{odd number}}{\text{odd number}} \text{ between 20 and 35} \}$

(iii)  $\{C, A, R, U, T\}, \{x : x \text{ is a } \overset{\text{letters}}{\text{letters}} \text{ used in the word 'CARUT'} \}$

(iv)  $\{\text{January, February, March, April, May}\}, \{x : x \text{ is a } \overset{\text{names of first five months of a year}}{\text{names of first five months of a year}} \}$

(v) Set of all two digit numbers that are perfect squares as well.

Ans -  $\{16, 25, 36, 49, 64, 81\}, \{x : x \text{ is a } \overset{\text{perfect square}}{\text{perfect square}} \text{ two-digit number} \}$

5. (i)  $\{5, 15, 25, 35\}$

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

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

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