Ex. 10 C

1. Write of each of the following sets in the rosten form

(i) $R = \{3, 6, 9, 12, 15\}$

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

(iii) $N = \{s, c, h, o, l\}$

(iv) $E = \{11, 13, 15, 17, 19\}$

(v) $F = \{a, e, i\}$

(vi) $A = \{m, d, n, s\}$

2. Write each given set in Rosten form

(i) $Q = \{2, 3, 5, 7, 11, 13, 15, 17, 19\}$

(ii) $W = \{1, 4, 9, 16\}$

(iii) $E = \{2, 4, 6, 8\}$

(iv) $R = \{a, b, c, d, e, f, g, h\}$

(v) $T = \{b, a, s, k, e, t\}$

(vi) $Y = \{$Jaipur, Jalandar, Jammu, ~~Jaipur~~ Jaipur$\}$

(vii) $U = \{$rectangle, Triangle, pentagon, $\}$

(iii) $O = \{a, e, i, o, u\}$

(iv) $P = \{1, 4, 9\}$

3. Write each given in the set builder form

(i) $\{x : x$ is an even number between 0 to 12$\}$

(ii) $\{x : x$ is a prime number between 1 to 12$\}$

(iii) $\{x : x$ is a month of the year whose name starts with J$\}$

(iv) $\{x : x$ is a vowel of the alphabet$\}$

(v) $\{x : x$ is a Day of the week whose name starts with t.

(vi) $\{x : x$ is a square root of the first five natural numbers$\}$

(vii) $\{x : x$ is first six multiple of five

4. Write each set in set builder & roster form

(i) $T = \{1, 2, 3, 4, 6, 8, 12, 24\}$ $\{x : x$ is a number divisible by 24$\}$

(ii) $F = \{21, 23, 25, 27, 29, 31, 33\}$ $\{x : x$ is a odd no between 20 - 35

(iii) K = {c, a, l, e, t} {letters in the word "CALCUTTA"}

iv) {x | x is a month name of the first five months in the year} {January, February, March, April, may}

(v) {x | x is a number which is two digits perfect ~~square~~ square}

5. Write in roster form the set of

(i) ~~5, 15, 25, 35~~ F = {5, 15, 25, 35}

(ii) N = {18, 24, 30}

(iii) A = {Sunday, Saturday, Friday}

(iv) H = {December, November, October, September}