

Ex-10(c)

1- Write each of the following sets in Roster Form:

(i) The set of the following sets in Roster form

(ii) The set of five numbers of which is divisible by 3

A = {3, 6, 9, 12, 15}

(iii) The set of integers between -4 and 4

A = {-3, -2, -1, 0, 1, 2, 3}

(iv)  $x$  is a letter in the word "School"

School

(v)  $x$  is an odd natural number between 10 and 20



11, 13, 15, 17, 19

(iv) Vowels used in the word 'AMERICAN'  
(a, e, i)

(v) Consonants used in the word 'MARRIAGE'  
m, r, g, s

B. Write each given set in the Roaster Form

(i) All prime numbers between 1 and 20

{2, 3, 5, 7, 11, 13, 17, 19}

(ii) The squares of the first four natural numbers

{~~1~~ 2<sup>2</sup>, 3<sup>2</sup>, 4<sup>2</sup> = {4, 9, 16}}

(iii) Even numbers between 1 and 9.



2468

iv) The first eight letters of the English alphabet

'a b c d e f g h

v) The letters of the word 'basket'

'b a s k e t'

vi) Four cities of India whose names starts with the letter 'J'.

'Jaipur, Jodhpur, Jalandhar, Jammu.'

vii) Any four closed geometric figures,

'Square, Rectangle, Triangle, Circle'

viii) vowels used in word 'Monday'



100

(ix) Single digit numbers that are perfect squares as well.

3. Write each given set in the Set Builder Form:-

Form:-

i)  $\{2, 4, 6, 8, 10\}$

$\{x : x \text{ is an even natural number less than } 12\}$

ii)  $\{2, 3, 5, 7, 11\}$

$\{x : x \text{ is a vowel in English alphabet}\}$

iii)  $\{ \text{January, June, July} \}$

$\{x : x \text{ is a day month whose name starts with letter 'J'}\}$

$\{a, e, i, o, u\}$

$\{x : x \text{ is a vowel English alphabet}\}$



(v) { Tuesday, Thursday }

{ XIX is a day of the week whose name starts with letter I }

(vi) { 16, 25 }

{ XIX is a perfect square natural number upto 25 }

(vii) { 10, 20, 25, 30 }

{ XIX is a natural number upto 30 and divisible by 5 }