

HoTe:

**** Solve the following questions using R.**

- 1) Create a vector with elements being 98, 82, 102,99,100;
 - a) Extract the first element
 - b) Extract the first and the fifth element from the vector.
- 2) Create a vector containing a sequence of numbers in the interval of 40 to 1000, separated by 10. Find the length of the vector.
- 3) Create a vector containing a sequence of numbers in the interval of 1 to 2500, separated by 6 and subset the first 50 elements of the vector
- 4) Create a vector that has elements: 3, 4, 5, 7 and another vector with elements : 6, 9, 12, 15, 18, 21 ; Use the "+" and "-" operator between the two vectors and report your observation.
- 5) Multiply c(34, 43, 22, 43) and c(13, 17)
- 6) Create two vectors of sequence 1 to 10 and 11 to 20; column bind these vectors; Now create a matrix containing data from 21 to 40 and column bind that matrix to the resultant matrix of the first operation.
- 7) Create a data frame with two columns using the data.frame() function. First column should contain characters, second column should contain numeric objects. The columns should be assigned valid names.
- 8) Create a data frame with one column as a sequence of numbers between 1 to 50, the other being from 51 to 100; After creating the data frame change the column names to "column1" and "column2"