Time: 3 Hours   **Max. Marks: 60**

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-1

Q1. a) Describe various commands of Cumulative measures in R .

b) Calculate the cumulative values for the following sample data

a <- c(1:9,4,2,4,5:2) [12 Marks]

OR

Q2. a) Demonstrate for and while statements in python with example.

b) Build a python program to check given number is positive or negative or zero. [12 Marks]