Assignment 8

(Paired t-test and F-Test)

1. The following data relate to the marks obtained by 11 students in two sets, one held at the beginning of a year and the other at the end of the year after intensive coaching. Do the data indicate that the students have benefited by coaching at 5 % level of significance?

Test I : 19 23 16 24 17 18 20 18 21 19 20

Test II : 17 24 20 24 20 22 20 20 18 22 19

2. Two random samples drawn from two normal populations with the following observations.

Sample I : 21 24 25 26 27

Sample II : 22 27 28 30 31 36

Write down the R programming code to test whether the two populations have the same variance at 5 % level of significance.