CBCS/H/SEM VI /NON-PARAMETRIC

DATE:

NON-PARAMETRIC TESTS

1. Given below are measurements on 20 ear heads of a variety of wheat. Apply a suitable nonparametric test to judge whether the median length (θ) of ear heads of the said variety can be taken as 9.9 cm.

Length of Ear heads (in cm)

2. Apply a suitable nonparametric test to judge whether the medians of two populations, from which the samples given below have been drawn, are equal.

Sample I: 12.46, 12.43, 12.77, 11.89, 12.12, 12.33, 12.76, 11.85, 12.56, 11.95, 12.24, 12.65, 12.78, 12.28, 12.13

Sample II: 12.05, 12.38, 12.22, 12.45, 12.44, 12.39, 11.97, 12.37, 12.21, 12.64

3. Scores on a clerical aptitude test administered to a batch of Secretariat and Directorate clerks are given below. Test whether the two groups have the same score distribution in the population.

Scores

Secretariat Clerks	Directorate Clerks
40	47
35	56
52	42
60	57
46	50
	58
	62