

**BACHELOR OF COMPUTER APPLICATIONS
(BCA) (Revised)**

00884

Term-End Practical Examination

December, 2013

BCSL-044 : STATISTICAL TECHNIQUES LAB

Time allowed : 1 hour

Maximum Marks : 50

- Note :** (i) There are *two compulsory* questions in this paper of **20** marks each. Rest **10** marks are for *viva-voce*.
- (ii) Use any spreadsheet package. For programming (if any) you may use any C/C++ compiler.

1. The weight of 20 students of class X in kgs is given in the following table.

8+4+4+4=20

65.5	52.5	39.2	47.7	67.5
45.9	55.3	59.5	70.1	62.5
39.9	65.2	42.9	56.3	59.5
62.3	54.2	51.3	47.6	69.5

Perform the following tasks for the data given above :

- (a) Enter the data in the spreadsheet package and create a frequency distribution in 8 ranges of equal interval. The frequency distribution may be created using array formula.
- (b) Draw the histogram for the data.
- (c) Find the mean and variance for the data using spreadsheet.
- (d) Find the maximum and minimum weight using spreadsheet formula.
2. Consider the following data of sales of wheat by a farm house in a week : 20

Day	Sales (Kgs)
Monday	200
Tuesday	175
Wednesday	150
Thursday	125
Friday	250
Saturday	300
Sunday	350

Find the moving averages of length 4 and 5. Plot these moving averages using spreadsheet.