

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

**Term-End Practical Examination** **00481**

**June, 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 marks of 20 students in project course (out of 200) are given below : **8+4+4+4=20**

110	95	150	80	115
30	180	125	90	117
25	75	85	135	160
77	89	129	149	101

Perform the following tasks for the data given above :

- (a) Enter the data in a spread package and create a frequency distribution in the ranges 0-25, 26-50, 51-75,.....176-200 using array formula.
  - (b) Draw the histogram for the data using spreadsheet package.
  - (c) Find the mean and variance for the data using spreadsheet.
  - (d) Find the minimum and maximum scores using spreadsheet formula.
2. Consider the following data of sales of Milk by a company on the week : **20**

Day	Sales (in thousand liters)
Monday - 1	500
Tuesday - 2	420
Wednesday - 3	360
Thursday - 4	410
Friday - 5	450
Saturday - 6	510
Sunday - 7	520

Find the moving averages of length 3 and 5. Plot these moving averages using spreadsheet.