

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

01901

Term-End Practical Examination

December, 2013

BCSL-044 : STATISTICAL TECHNIQUES LAB

Time allowed : 1 hour

Maximum Marks : 50

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

1. The marks obtained by a group of 20 students in practical examination out of 50 marks are :

8+4+4+4=20

25	5	15	19	35
45	21	27	35	46
32	8	12	17	23
28	32	37	42	49

Perform the following tasks for the data given above :

- (a) Enter the data in a spreadsheet software and create frequency distribution in the ranges 0-5, 6-10, 11-15, 16-20,.....45-50, using array formula.
 - (b) Draw the histogram for the data.
 - (c) Find the mean and standard deviation for the data using spreadsheet software.
 - (d) Find the maximum and minimum scores using spreadsheet formulas.
2. The following table shows the data on mortality rate of plants on use of a new fertilizer. **20**
Use chi-square or any other test to determine, if the fertilizer has any effect on enhancing the living rate.

Categories	Living	Dead	Total
Not given fertilizer	427	219	646
Given fertilizer	297	130	427

Explain your results.