

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

Term-End Practical Examination

01261

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 percentage of marks obtained by a group of 20 students in the 12th examination are : **8+4+4+4=20**

72.5	67.2	30.7	80.5	25.9
60.7	90.8	86.5	71.2	88.9
97.5	80.5	82.7	65.0	50.5
48.7	46.9	55.7	66.7	32.9

Perform the following tasks for the data as given above :

- (a) Enter the data in a spreadsheet package and create a frequency distribution in the ranges 0-10.5, 10.6-20.5, 20.6-30.5.....90.6-100, using array formula.
 - (b) Draw the histogram for the data using spreadsheet package.
 - (c) Find the mean and standard deviation for the data using spreadsheet.
 - (d) Find the minimum and maximum scores using spreadsheet formula.
2. A company has the following data about its monthly production and production cost. **10+10=20**

Production in 100 kgs	Production cost in Lakhs (Rs.)
1	2
2	3
8	7
5	5
9	9
7	6

- (a) Construct a scatter diagram for the data given above using a spreadsheet package.
- (b) Find the best linear regression line, here you may assume production as independent variable and production cost as dependent variable.