

BACHELOR OF COMPUTER APPLICATIONS (BCA)
(Revised)

Term-End Practical Examination

00311

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 needed) you may use any C/C++ compiler.*

1. The marks obtained by 20 students in 12th examination out of 400 are : **8+4+4+4=20**
- | | | | | |
|-----|-----|-----|-----|-----|
| 325 | 310 | 250 | 315 | 200 |
| 275 | 290 | 100 | 305 | 195 |
| 275 | 350 | 370 | 199 | 297 |
| 301 | 285 | 235 | 375 | 315 |

Perform the following tasks for the data as given above :

- (a) Enter the data in spreadsheet package and create a frequency distribution in the ranges 0-50, 51-100, 101-150.....351-400, 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. The data in the following table give mortality rate of insects on use of an insecticide. **20**
Test if the insecticide has any effect in killing of insects. You may use chi-square test, if needed.

Categories	Living	Dead	Total
Not given Insecticide	320	125	445
Given Insecticide	98	230	328
Total	418	355	773

Explain your results.