No. of Printed Page : 1

BACHELOR OF COMPUTER APPLICATIONS (BCA) (Revised)

Term-End Practical Examination

December, 2013

BCSL-044 : STATISTICAL TECHNIQUES LAB

Time allowed : 1 hour

- *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 average life in hours of sample of bulbs is given in the following table :

325.2	397.3	400.5	615.2	300.5
600.5	507.7	375.5	575.6	375.2
327.9	427.5	498.3	305.5	379.0
390.7	490.7	570.7	550.9	547.7

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 same interval, (use array formula). Make suitable assumptions, if any.

- (b) Draw the histogram for the data.
- (c) Find the mean and standard deviation for the data using spreadsheet software.
- (d) Find the minimum and maximum values using spreadsheet formula.
- 2. A company has the following production and sales data.

Production	Sales in	
in (Nos)	INR	
40	30,000	
50	75,000	
60	60,000	
90	80,000	
70	75,000	
45	60,000	
80	55,000	

- (a) Construct a scatter plot (diagram) for the given data using a spreadsheet package.
- (b) Find the best linear regression line, assuming that sales is an independent variable and production is a dependent variable. Explain your answer.

SET - 3

Maximum Marks : 50

10+10=20

8+4+4+4=20