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BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

December, 2014

BCSL-044(P)/S4 : STATISTICAL TECHNIQUES LAB

Time : 1 Hour   *Maximum Marks : 50*

Note :   (i)   *There are **two compulsory** questions in this paper of 20 marks each.*

(ii   *Rest 10 marks are for viva-voce.*

(iii) *Use any spreadsheet package.*

(iv) *For programming (if asked) you may use any C / C++ Compiler.*

1. Monthly salary (in Rupees) of 20 employees of an organisation is given below :

10,000	15,000	20,000	12,000	9,000
13,000	25,000	35,000	65,000	55,000
47,000	62,000	72,000	16,000	24,000
31,000	29,000	61,000	57,000	29,000

Perform the following tasks for the given data :   *8+4+4+4=20*

(a)   Enter the data in a spreadsheet package and create frequency distribution in the ranges : less than 11,000; 11,000 – 20,000; 21,000 – 30,000; 31,000 – 40,000; 41,000 – 50,000; 51,000 – 60,000; more than 60,000. You must use array formula for this task.

(b)   Draw the histogram of the data.

(c)   Find the mean and variance for the data using spreadsheet functions/ formulae.

(d)   Find the maximum and minimum of salary using spreadsheet functions/ formulae.

2. Consider the following data :

Rice crop yield / hectare

Year	Production in Tons
1980	1805
1981	1705
1982	2001
1983	2200
1984	2100
1985	2400
1986	2500
1987	2700
1988	2600

Find the moving averages of length 4 and 5. Plot these moving averages using spreadsheet. *20*

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