BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

Term-End Practical Examination

June, 2015

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. 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 prices of 20 different mobile devices is given below :

(Price in INR)

19,500	10,000	8,000	5,000	25,000
35,000	7,000	16,000	24,000	29,000
31,000	9,000	21,500	16,000	11,000
42,000	4,000	27,000	14,000	13,000

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 5,000; 5,001 to 15,000; 15,001 to 25,000; 25,001 to 35,000; Above 35,000. You must use array formula for this frequency distribution.

(b)   Draw the histogram of the data.

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

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

2. Consider the following data :

Rainfall Data

Year	Rainfall in mm
2001	1050
2002	920
2003	1500
2004	1250
2005	1600
2006	800
2007	900
2008	1100
2009	1500
2010	1200

Find the moving averages of length 3 and 5. Plot these moving averages using spreadsheet. *20*

———