BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

Term-End Practical Examination

December, 2016

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 implementation. For programming (if asked), you may use any C/C++ compiler.

1. The number of books sold by 20 different publishers in the area of Statistics were recorded in the following table :

Number of books sold (in thousands)

510	210	100	190	999
617	911	321	516	412
782	711	692	816	311
212	316	917	392	462

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

(a) Enter the data in a spreadsheet package and create frequency distribution in 9 equal ranges. You may use array formula for finding the distribution.

(b) Draw the histogram of the data.

(c) Find the mean and standard deviation for the data using spreadsheet formula.

(d) Find the relative frequency distribution for the frequency distribution created in part (a).

2. Consider the following average temperature for the months January to December in a city :

Month	Average temperature in °C
1	16
2	25
3	35
4	40
5	41
6	42
7	38
8	33
9	31
10	27
11	20
12	17

Find the moving averages of length 4 and 6. Plot these moving averages using a spreadsheet software. *20*