BACHELOR OF COMPUTER APPLICATIONS (Revised) (BCA)

Term-End Practical Examination

June, 2017

02998

BCSL-044(P)/S1 : 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 transactions performed by 20 individuals in a bank per year were recorded in the following table :

Number of transactions (per year)

55	27	39	105	200
35	45	99	191	161
25	65	125	105	169
87	89	189	176	167

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

(a) Enter the data in a spreadsheet package and create a frequency distribution in 8 equal ranges. You may use array formula for finding the distribution.

(b) Draw the histogram of the frequencies.

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

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

2. Consider the following monthly average of presence of students of a class :

Month	Average number of students present
January	80
February	95
March	99
April	70
May	80
June	40
July	95
August	95
September	90
October	99
November	90
December	80

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

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