

BACHELOR OF COMPUTER APPLICATIONS (Revised)
(BCA)

00249

Term-End Practical Examination

December, 2015

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

Time : 1 Hour

Maximum Marks : 50

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- 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.*
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1. Monthly sale of sugar at 20 Departmental Stores was recorded (as sample) in the following table :

(Sales in kilograms)

210	75	425	300	110
125	345	510	69	135
227	398	475	99	175
275	310	410	360	205

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 50; 51 to 150; 151 to 250; 251 to 350; 351 to 450; 451 to 550; more than 550. You may use array formula for finding this distribution.
- (b) Draw the histogram of the data.
- (c) Find the mean and standard deviation for the data using spreadsheet formula.
- (d) It was reported that by mistake the data of Store 2 was entered as 75 kg, whereas actually it was 475 kg. What will be the new mean and standard deviation ?

2. Consider the following average temperature in the month of October at a specific location :

Date	Average day temperature (°C)
1	25
2	29
3	33
4	27
5	21
6	19
7	30
8	18
9	22
10	24

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

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