BACHELOR OF COMPUTER APPLICATIONS (BCA) (REVISED)
Term-End Practical Examination
June, 2025

BCSL-044(Set-III) : STATISTICAL TECHNIQUES LAB

Time : 1 Hour   *Maximum Marks : 50*

Note : *(i)*   *There are two compulsory questions of 20 marks each, in this paper. Rest 10 marks are for viva-voce.*

   (ii)   *Use any spreadsheet software for solving the problem. For programming (if asked), you may use any C/C++ compiler.*

1. Following table shows the number of online courses taken by the students in the age range of 15 to 25 years :

Number of courses taken

5	7	1	9	15	8	6	5	4	7
1	3	5	4	2	6	7	9	8	5

Perform the following tasks for the data given above :

(a) Enter the given data using a spreadsheet software and create a frequency distribution in 4 equal intervals. You may use array formula for finding the distribution.   8

(b) Draw the histogram of the data and find outlier, if any.   4

(c) Find the mean and standard deviation of data.   4

(d) Find the relative frequency distribution from the frequency distribution created in part(a) of this question.   4

2. Consider the following data of average rainfall in different months of a year :

Month	Average Rainfall (mm)
1	5
2	7
3	8
4	3

5	2
6	6
7	25
8	30
9	16
10	10
11	3
12	4

Perform the following tasks for the data given above :

(a) Draw the bar chart of the data.   6

(b) Find the moving averages of length 3 and plot the moving averages using spreadsheet software.   8+6

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