MASTER OF COMPUTER APPLICATIONS

(MCA-NEW)

Term-End Practical Examination

June, 2025

MCSL-229(P)Set-I : CLOUD AND DATA SCIENCE LAB

Time : 2 Hours   *Maximum Marks : 50*

Note : *(i)*   *There are two Sections in this paper. Each Section is of 1 hour duration.*

     (ii)   *Each Section has one compulsory question of 20 marks. Each Section has 5 marks for viva-voce.*

     (iii)   *Attempt only those Section(s) in which you are not successful as yet.*

Section—A : Cloud Computing Lab

1. (a) Create a spreadsheet using Microsoft Excel that contains student marks

information and calculate total and percentage. You may use the following labels and data : 10

Name	Mark 1	Mark 2	Mark 3	Total	Percentage
Jeevan	78	85	92		
Alia	67	74	69		
Ritu	88	90	85		

You may use below formulas to calculate total and percentage :

Total = Mark 1 + Mark 2 + Mark 3

Percentage = (Total / 300) × 100

(b) What is Google drive ? List its features and explain how it facilitates file sharing and collaboration. 10

Section—B : Data Science Lab

2. A data set of monthly electricity bills (in ₹) for 10 households is given :

2200; 1800; 2600; 2100; 2000; 1950; 2300; 1700; 2500; 2400

Write R program to perform the following tasks :

(a) Find the mean and median of the electricity bills.   4

(b) Create a bar chart for the data.   8

(c) Calculate the standard deviation and interpret it.   8

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