

No. of Printed Pages : 3 **MCSL-229(P)Set-I**

**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

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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 :

$$\text{Total} = \text{Mark 1} + \text{Mark 2} + \text{Mark 3}$$

$$\text{Percentage} = (\text{Total} / 300) \times 100$$

- (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

[3]

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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