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

MASTER OF COMPUTER APPLICATIONS (MCA-NEW)

Term-End Practical Examination

June, 2026

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 Google Sheets for calculating electricity bills. Use the following structure : 10

Consumer Name	Units Con-sumed	Rate/ Unit	Total Amount
A	120	6	
B	200	6	
C	150	6	

Use the formula :

Total Amount = Units Consumed × Rate/Unit

Add a column to calculate GST (5%) and Final Bill Amount.

(b) What is Google Drive Backup and Sync ? List its features and explain the steps to upload and share files from a computer to Google Derive. 10

Section—B : Data Science Lab

2. The following data represents the daily water consumption (litres) of 10 households :

120, 135, 150, 145, 160, 155, 140, 170, 165, 150

Write an R program to :

(i) Find the mean and median consumption. 6

(ii) Create a histogram for the data. 6

(iii) Calculate the variance and standard deviation. 8

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