

No. of Printed Pages : 2 **MCSL-229(Set-IV)**

**MASTER OF COMPUTER
APPLICATIONS (MCA-NEW)
Term-End Practical Examination
December, 2024**

**MCSL-229(Set-IV) : CLOUD COMPUTING AND
DATA SCIENCE LAB**

Time : 2 Hours

Maximum Marks : 50

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- Note :** (i) *There are two Sections in this paper.*
(ii) *Each Section is of one-hour duration.*
(iii) *Each Section has one compulsory question of 20 marks.*
(iv) *Each Section has 5 marks for viva-voce.*
(v) *Attempt only those Section(s) in which you are not successful as yet.*
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Section—A

(Cloud Computing Lab)

1. (a) Create a Google sheet document to store employee information with the following columns :
Name, Basic Salary, DA, HRA, PF, Tax, Gross Salary, Net Salary
Use the following formulas to calculate : 10
DA = 12% of Basic
HRA = 25% of Basic

[2]

PF = 10% of Basic (if Basic $\leq$ 5000; 12%
(if Basic > 5000)

Tax = 80% of Basic

Gross Salary = Basic + DA + HRA

Net Salary = Gross Salary – PF – Tax

- (b) List and compare the storage and sharing features of the following cloud services :

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Box, Sync, Just Cloud and Amazon Drive.

Section—B

(Data Science Lab)

2. The following data shows study hours and grades of students. Use linear regression to predict the grade for a student who studies for 9 hours a week :

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Study Hours	Grade (%)
2	40
4	55
6	65
8	80
10	90

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