MCSL-229 (Set-1)

MASTER OF COMPUTER APPLICATIONS

(MCA-NEW)

Cloud and Data Science Lab

Duration : 2 hours Maximum Marks : 50

Note: 1. There are two sections in this paper. Each section is of one hour duration.

2. Each section has one compulsory question of 20 marks. Each section has 5 marks for viva voce.

3. 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 that contains employee salary information and calculate net salary. You may use the following labels and data: 10

Name	**Basic Salary**	**DA**	**PF**	**TAX**	**Net Salary**
ABC	50,000				
XYZ	25,000				
DEF	75,000				

You need to compute DA, PF, TAX and Bet Salary using the following formula:

DA	=	20% of the Basic Salary
PF	=	10% of Basic Salary if Basic salary $\leq$ 30,000
		12% of Basic Salary if Basic salary >30,000
TAX	=	10% of Basic Salary if Basic salary <50,000
TAX	=	15% of Basic Salary if Basic salary $\geq$ 50,000
Net Salary	=	Basic salary + DA + PF – TAX

(b) List the feature of YouTube, a cloud Service. List the steps of uploading your own educational video(s) on YouTube. Also, list the appropriate settings to make it public. 10

SECTION B

(Data Science Lab)

2. The weight of 10 students in the age group 15-20 is given in the following table:

45	55	65	38	48
50	54	60	39	49

Write R program (use the data given below) for the following:

(i) Finding the minimum and maximum weight. 4

(ii) Create a grouped frequency distribution and relevant graph of frequency distribution for the data given in the table above. 8

(iii) Find the percentage of weights between 40 and 49. 8

******