

**MCSL-229 (Set-3)**  
**MASTER OF COMPUTER APPLICATIONS**  
**(MCA-NEW)**  
**Cloud and Data Science Lab**

Duration : 2 hours

Maximum Marks : 50

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- 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) Use Google Slides and prepare 5 slides on the topic “Cloud Computing”.  
Share these slides in a group in edit mode. 10
- (b) List the features of Oracle Virtual box. Also, list the steps of creating  
Virtual Machine (VM) on your computer. 10

## SECTION B

(Data Science Lab)

2. Write R program for the following income data of 10 persons:

20

|        |        |        |        |        |
|--------|--------|--------|--------|--------|
| 25,000 | 35,000 | 30,000 | 45,000 | 29,000 |
| 27,000 | 47,000 | 51,000 | 25,000 | 39,000 |

Write a R program to create a frequency distribution in the three classes:

20,000 – 30,000

30,000 – 40,000

40,000 – 50,000

Also write R program to draw appropriate chart for the frequency distribution.

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