



### Mid Term (Odd) Semester Examination October 2024

Roll no. 2392164

Name of the Course and semester: Bachelor of Computer Applications, IIIrd semester

Name of the Paper: R Programming

Paper Code: TBC 305(2)

Time: 1.5 hour

Maximum Marks: 50

**Note:**

- (i) Answer all the questions by choosing any one of the sub questions
- (ii) Each question carries 10 marks.

~~Q1.~~ (10 Marks) [CO1]

~~a.~~ What is R programming? Explain its main pros and cons?

OR

b. Define package in R, and how do you install and load packages? Write all steps?

~~Q2.~~ (10 Marks) [CO1]

~~a.~~ List and define all data types & operator in R with suitable examples?

OR

b. Explain numbers in R? Write a program in R for explain all types of numbers?

Q3. (10 Marks) [CO1,2]

a. What is Mixing object and missing values? Define its types? Write a code for missing values?

OR

b. Write a suitable code to draw the following table and also write this data in "gehu.csv" file?

S No	Emp Name	Emp Salary	Emp Age
1	Ram	56890.90	32
2	Shyam	54678.10	27
3	Mohan	45870.55	35
4	Sohan	67845.75	28
5	Kamal	45670.80	39

How can you find the details of employee whose age is greater than 30.

~~Q4.~~ (10 Marks) [CO2]

~~a.~~ Explain all data structure in R with examples?

OR

b. How to import data in R? Explain all essential functions?

Q5. (10 Marks) [CO2]

a. In R how can you read and write a .txt and .csv file? Explain with examples?

OR

b. Write an R program for find the sum and product of two numbers with user define methods? Also the use of dialog box?