

2021

BCA

[HONOURS]

(CBCS)

(B.Sc. Fifth Semester End Examination-2021)

PAPER-C12T

Full Marks: 40

Time: 02 Hrs

*The figures in the right hand margin indicate marks
Candidates are required to give their answers in their own words as
far as practicable*

Illustrate the answers wherever necessary

Group A

- 1. Answer any five questions of the following: 5x2= 10**
- What is the function of `cat()` command in R programming?.
 - What do you understand by data science?
 - Mention different characteristics of big data.
 - When does branch occur in version control?
 - How does data frame differ from matrix?
 - How can we read a csv file in R?
 - Mention the name of two data analytics software.
 - What does `&&` mean in R?

Group B

- Answer any four questions of the following: 5x4 = 20**
- Explain how some specific rows or columns of a dataset be retrieved using dplyr package.

(2)

3. What are the functionalities of gather() and separate () provided by tidyr package?
4. a) How can we convert a list object into a vector?
b) Illustrate the use of statistical function on date objects in R.
5. Write a short note github.
6. Explain how we can work with two datasets using dplyr package.
7. Explain the different data types and declaring objects in R.

Group –C

Answer any one questions of the following: 10x1 = 10

8. a) Explain different types of joining to join two datasets using dplyr.
b) How can we bind two datasets vertically?
c) How can we display last ten rows of a dataset? 5+3+2
9. a) Explain Briefly how linear regression helps to obtain a straight line to fit some given data points.
b) What do you mean by clustering?
c) What are the different functionalities provided by tidyr package?
