

NETTUR TECHNICAL TRAINING FOUNDATION
DIPLOMA IN INFORMATION TECHNOLOGY & DATA SCIENCE – CP09
V SEMESTER REGULAR & SUPPLEMENTARY EXAMINATION-JAN 2023

Subject: R Programming
Subject Code: CP09511T

Total Time: 2 Hr.
Total Marks: 50 Marks

PART B

1.0 ANSWER ANY EIGHT OF THE FOLLOWING **2*8=16**

- 1.1 What is R programming?
- 1.2 What is list in R?
- 1.3 What is attributes?
- 1.4 What would be the output if read.table not having arguments?
- 1.5 Differentiate save and save.image
- 1.6 Demonstrate how connection interface communicate with other external objects.
- 1.7 Demonstrate how to find out NA values.
- 1.8 List out the difference between mutate and transmute.
- 1.9 Define the basic structure of a data frame.
- 1.10 What is the significance of scoping rules in R?

2.0 ANSWER ANY SIX OF THE FOLLOWING **3*6=18**

- 2.1 List out the resources available from CRAN
- 2.2 What is vector? How to create vector?
- 2.3 Demonstrate the use of read Lines with example.
- 2.4 Write a program to demonstrate Names.
- 2.5 With an example explain how to get a subset of a matrix.
- 2.6 What are the common dplyr function properties?
- 2.7 What is the significance of return statement in R? Is it necessary to use?
- 2.8 Demonstrate apply() function with simple example.

3.0 ANSWER ANY FOUR OF THE FOLLOWING **4*4=16**

- 3.1 Write the features and limitations of R
- 3.2 Explain useful standard texts on S and R
- 3.3 List out the difference between POSIXlt and POSIXct functions with example.
- 3.4 Differentiate Lexical and dynamic scoping with an example.
- 3.5 What is the use of rename function? Give example.
- 3.6 Demonstrate splitting a dataframe in R.

