BLDE Institute of Management LIBRARY

III Semester M.B.A. Examination, May – 2026

MANAGEMENT

Paper: 3.7.2: Predictive Analytics using R

(CBCS Scheme 2019-20)

Time: 3 Hours **Maximum Marks: 70**

Note: *Students need to use the data given and demonstrate using the same*

Section A: Lab Session – 1

Execute the program and interpret your analysis from any one of the following **(1 X 20 = 20)**

Q1. Dataset: Pima Indians Diabetes

Task: Demonstration of Graphs: Basic high-level plots, Modifications of scatter plots, Modifications of histograms, parallel box plots using ggplot2

Q2. Dataset: Medical Cost Personal

Task: Demonstrate Multiple Linear Regression Model for the given dataset and interpret the result

Section B: Lab Session – 2

Execute the program and interpret your analysis from any one of the following **(1 X 20 = 20)**

Q3. Dataset: Sales of Shampoo

Task: Demonstrate Time Series Analysis for the given dataset and interpret the result

Q4. Dataset: Titanic Survivors

Task: Demonstrate Logistic Regression for the given dataset and interpret the result

Section C: Lab Journal Maintenance **20 Marks**

Section D: Viva Voce **10 Marks**