

3154

B.Tech (CSE) Data Science 4th Semester (G-Scheme)

Examination, July-2022

PROGRAMMING FOR DATA SCIENCE & AIML

Paper- PCC-CSE-250-G

Time allowed : 3 hours]

[Maximum marks : 75

Note : Attempt five question in all, selecting one from each unit. Question No.1 is compulsory.

1. Write short note on following:

(i) Variable

(ii) Array

(iii) Matrix Plots

(iv) Linear Regression

(v) Style Sheets

(vi) Parsing

15

Unit-I

2. What do you understand by Python Programming. Also explain its data types. 15

3. Describe the following:

(i) File Handling

(ii) Control Structure.

15

Unit-II

4. Explain the following: 15
- (i) Num Py
 - (ii) Data Indexing
5. (i) Give a brief description about Pandas.
(ii) How do you read a txt file in Python using Pandas. 15

Unit-III

6. (i) What is Data visualization in Python. 15
(ii) How to set the ticks on a fixed Position.
7. Describe the following:
- (i) KDE
 - (ii) Visualization Tool Kit 15

Unit-IV

8. Explain the following:
- (i) Py Torch
 - (ii) Naive Bayes Classification 15
9. Describe the following:
- (i) Speech Tagging
 - (ii) Text cleaning 15