Apex Institute of Technology

Chandigarh University, Mohali

Department of Computer Science & Engineering

Introduction to Data Science (21CST-292)

Session: 2022-2023	Even Semester	Class: 2nd Year	Section: 21AML-12/10

Assignment – 1
Unit 1

Final Submission Date: 11/03/2023

[5 × 5 = 25 Marks]

Note: Do Any Five. All questions carry equal marks.

1. Define Overfitting in Big Data. List the various challenges faced in big data in detail.

2. Define data redundancy and inconsistency. Why data inconsistency is more important to maintain it?

3. Explain the various components of Big Data Architecture with a neat diagram?

4. Describe the use of big data in different fields with suitable examples.

5. Describe how data was arranged in various previous databases.

6. Describe why big data management is most prior as compared to the others.

7. Explain the big data architecture process in detail.

Note: It is compulsory to write using paper/pen (in A4 Size paper), not to do with printout, just take Front Page printout as below:

ACADEMIC YEAR: 2022-2023 (Even Semester)

Introduction to Data Science
(21AML-12/10)

STUDENT ID: _____

STUDENT NAME: _____

SEMESTER: _____

BRANCH NAME: _____

DATE OF SUBMISSION: _____

TOTAL PAGES: _____

STUDENT SIGN:

SUBMITTED TO:

Dr. Jitender Kaushal (E14621)

Associate Professor

AIT-CSE DEPT.

MARKS:

FACULTY SIGN:

APEX INSTITUTE OF TECHNOLOGY
COMPUTER SCIENCE &ENGINEERING