BCA(DS &AI) First Sessional Tests 2024-25
Fourth Semester
BCADSN14201: Big Data Fundamentals (BDF)

Time: 60 Minutes **Max. Marks: 30**

(Section A)

Q.1: Attempt all Questions: **(5*1=5)**

a. Write a command to list all files in an HDFS directory.
b. Which SQL command is used to create a table in RDBMS?
c. What is the purpose of the hdfs dfs -rm command?
d. Name any one DCL (Data Control Language) command.
e. Which command is used to insert data into an RDBMS table?

(Section B)

Q2. Attempt any Two: **(2*7.5=15)**

a. Explain the evolution from traditional data processing to Big Data processing.
b. Describe the function and structure of the Hadoop Distributed File System (HDFS).
c. List and explain different types of Big Data with examples.
d. How does the growth of interconnected devices contribute to Big Data?

(Section C)

Q3. Attempt any ONE: **(10*1=10)**

a. Explain the major challenges associated with Big Data and suggest possible solutions.
b. Describe the complete open-source Hadoop ecosystem and its near-term future directions.
c. Explain the purpose and different tools in the Hortonworks Data Platform (HDP) stack.