Roll No. | 1 | 2 | 2 | 0 | 2 | 5 | B | 0 | 8 | 2 |

BCADSAI First Sessional Tests 2023-24
Fourth Semester
BCADS1401: Big Data Fundamentals

Time: 1 Hour

Max. Marks: 30

(Section A)

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

a. Discuss the roles of cp , cd ,gedit commands
b. List the features of sqoop
c. Discuss the different types of data that can be stored in Hadoop
d. What is the role of Cloudera and HDP in big data
e. Write down any 5 commands of HDFS along with there uses

(Section B)

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

a.Explain the terms horizontal scaling and vertical scaling
b.Define the term big data ,scope and challenges of Big Data
c.List the components of Hadoop ecosystem and explain there use case
d.Explain the steps involved in data processing

(Section C)

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

a. Explain the architecture of hdfs and the benefits of using hdfs
b. Define the pillars of security briefly
c.Discuss the working of YARN and its components