Roll No……..….. **Total No. of Printed Pages: 1**
Total No. of Questions: [09]

BCA (Semester – 6th)
BIG DATA
Subject Code: BCAP1662
Paper ID: [160130]

Time: 03 Hours **Maximum Marks: 60**

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A **(2 marks each)**

Q1. Attempt the following:

a. What is Big Data?
b. What is Map Reduce?
c. What is HDFS?
d. Define ETL.
e. What is Hadoop Partitioner?
f. What is YARN?
g. What is real time data streaming?
h. What is the security problem in big data?
i. What is FLUME?
j. What is the Role of PIG in Hadoop?

Section – B **(5 marks each)**

Q2. Explain four V's of Big Data.
Q3. Explain various data types used in Big Data.
Q4. Differentiate HDFS & NoSql.
Q5. Explain Big Data Workflow.
Q6. Write a short note on Clustering.

Section – C **(10 marks each)**

Q7. Draw and explain the components of Hadoop Ecosystem.
Q8. What is the role of Big Data in human life? What are the advantages & disadvantages of Big Data?
Q9. Explain the term Predictive Analysis. Explain various types of Predictive Analysis.