

CDOE
BACHELOR OF COMPUTER APPLICATIONS (CBCS-2018 COURSE)
B.C.A. Sem-VI : WINTER :- 2021
SUBJECT: ELECTIVE-II : BIG DATA - HADOOP

Day : Monday
Date 28-02-2022

W-21118-2021

Time : 10:00 AM-01:00 PM
Max. Marks: 70

N. B. :

- 1) Attempt **ANY FOUR** questions from section **I** and attempt **ANY TWO** questions from section **II**.
- 2) Figures to right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SAME** answer book.
- 4) Draw neat and labelled diagrams **WHEREVER** necessary.

SECTION – I

- Q. 1** Define Big Data. Discuss various advantages of Big Data. (10)
- Q. 2** Explain with suitable diagram of the Hadoop architecture. (10)
- Q. 3** Describe procedure for inserting data into Hadoop Distributed File System (HDFS). (10)
- Q. 4** What is MapReduce? Write the algorithm for MapReduce. (10)
- Q. 5** Explain following concept: (10)
- a) Big Data Concept
 - b) Hadoop Features
- Q. 6** Write notes on **ANY TWO** of the following: (10)
- a) Apache HBase
 - b) Apache Pig
 - c) Big Data Challenges

SECTION – II

- Q. 7** Discuss any seven basic Hadoop commands in terminal with example. (15)
- Q. 8** How Hadoop can be useful in Healthcare Management System? Explain in detail. (15)
- Q. 9** What is multinode cluster? Explain in detail configuring Hadoop System. (15)

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