



ADITYA DEGREE COLLEGES

◆ ANDHRA PRADESH ◆

PREFINAL - VI SEMESTER EXAMINATIONS

BCA - HADOOP & R LANGUAGE

Max. Marks : 75 M

Time : 3 Hours

Date: 26-03-2020

SECTION - A

Answer any FIVE Questions:

5X5= 25M

1. Explain the different Hadoop Operation modes.
2. How are Hadoop Input and output formats useful? Explain?
3. Explain about Hadoop Streaming in detail.
4. Which functions are used for arrays & matrices in R? Explain with examples?
5. Explain the purpose of factors in R.
6. What is a dataframe? Explain with Examples.
7. What are the Graphic functions used to Plot diagrams in R?
8. Explain about the packages R functions in R.

SECTION - B

Answer any FOUR Questions:

4X5= 20M

9. a) Explain the Lifecycle/Stages of Big Data with neat diagram.
OR
b) Explain the Hadoop architecture with a neat diagram.
10. a) Explain the process of Map Reduce Algorithm with an example.
OR
b) What is the use of Hadoop Driver? Explain with a program?
11. a) How Counters, Sorting & Joins are used in Hadoop Reducer?
OR
b) Write any 10 Hadoop Processing Tools with their features.
12. a) Explain the Datatypes in R with examples.
OR
b) What are the Operators in R? Explain with examples?
13. a) Explain the Loop Control Statements in R with programs.
OR
b) Explain in brief about R functions and components with examples.

ADC,KKD