

**BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)**  
**B. Tech. Sem - V COMPUTER SCIENCE & ENGINEERING-A&M : SUMMER : 2024**  
**SUBJECT: BIG DATA ANALYTICS**

Day : Tuesday  
Date : 14/05/2024

**S-23961-2024**

Time : 10:00 AM-01:00 PM  
Max. Marks : 60

**N. B. :**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Assume suitable data, if necessary.

**Q. 1** What are the characteristics features and various application of Big Data? (10)

**OR**

What are the Risks of Data? List Big Data applications and explain any two applications. (10)

**Q. 2** Draw and explain Architecture of Hadoop HDFS with its features. (10)

**OR**

Define Data Warehousing. What are the advantages and Disadvantages of Data Warehousing? (10)

**Q. 3** What is Regression Modelling? Explain with types. (10)

**OR**

List out various clustering methods and explain any one in detail with pros and cons. (10)

**Q. 4** Explain case study of Stock Market prediction in detail (10)

**OR**

Describe any two sampling techniques for big data with the help of example. (10)

**Q. 5** Explain clustering and classification in details. (10)

**OR**

Explain in detail Decision Tree algorithm with an example. (10)

**Q. 6** Explain Hbase Data Model and implementation in details. (10)

**OR**

What is Aggregate data model? Explain any one Aggregate data model in detail. (10)

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