

Roll No.

Total No. of Pages : 02

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B.Tech. (AI & ML)(Sem.-6)

BIG DATA ANALYTICS

Subject Code :BTDS-603-20

M.Code :93675

Date of Examination : 01-12-2025

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION-A

1. Write briefly :

- a) Give overview of Big Data.
- b) What are Hadoop Server Roles?
- c) Define MapReduce.
- d) What is data exploration?
- e) Discuss the concept of evaluation.
- f) What are decision trees?
- g) Give an overview of Text mining.
- h) Define K-means clustering.
- i) Write about analytics tools.
- j) Define web content mining.

SECTION - B

2. Explain the concept of Data Science.
3. Briefly explain the primary tasks involved in business understanding.
4. Discuss how are association rules useful in Big Data?
5. How linear regressions differ from logistic regression?
6. Discuss the role of Data Visualization Techniques.

SECTION - C

7. Discuss the basic concept of Big Data analytics in industry verticals.
8. Outline some key techniques used in the Data Preparation phase.
9. Explain the concept of unsupervised learning and provide examples of it.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.