



B.Tech VII Semester Regular/Supplementary Examinations, November 2022

BIG DATA ANALYTICS
(Professional Elective)
(Computer Science and Engineering)

Maximum Marks: 70

Date: 01.12.2022 Duration: 3 hours

- Note:
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks

(10x2M=20 Marks)

- 1 Name any two cloud storage vendors.
- 2 Illustrate the safety guidelines that every employees must follow?
- 3 Summarize the types of gap in data?
- 4 List the importance of compliance.
- 5 State outlier detection.
- 6 What is Descriptive Analytics in Big Data Analytics?
- 7 outline the types of Machine Learning?
- 8 What is Train Model and Test Model?
- 9 Why do we use Data Visualization?
- 10 What is the role of Tableau in Data Visualization?

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 A. Explain Data Architecture in detail?
B. Explain the sources of Primary and Secondary Data?
OR
5M
5M
- 12 A. What are the steps involved in Export job process In Amazon S3?
B. Discuss the definition of 'accidents and emergencies' and the events that fall in the category of accidents.
5M
5M
- 13 A. Outline the tools used for Big Data handling, analysis and reporting?
B. Define Interpolation and Explain Model-Based Techniques in details?
OR
5M
5M
- 14 A. Why is knowledge management so important? Emerging Trends in Product Development & Knowledge Management Process
B. Differentiate Spark, Scala and Impala?
5M
5M
- 15 A. List the major weakness of relational data bases and also explain how these weaknesses are handled in Bigdata?
B. Outline Document based databases with an example?
5M
5M

OR

- 16 A. Explain about CAP Theorem? 5M
B. What are Outliers and how do we detect them? 5M
- 17 A. Outline the steps to be followed in Machine Learning Algorithm? 5M
B. What are practical uses of Machine Learning? Explain how machine learning and data mining are similar and dissimilar to each other? 5M
- OR
- 18 A. Illustrate various types of algorithms used for prediction? 5M
B. Why is Machine Learning joined with Data Analytics? 5M
- 19 A. Write down steps involved in Data Visualization in Tableau. 5M
B. What is the role of visualization tool in data analytics? Explain about filtering options in Tableau. 5M
- OR
- 20 A. Explain about Data presentation architecture (DPA). 5M
B. What is the primary goal of data visualization? Explain how it is achieved with an example? 5M