

BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)
B. Tech. Sem - VI Computer Science & Engineering : SUMMER : 2025
SUBJECT: ITC-IV: BUSINESS INTELLIGENCE SYSTEM

Day : Tuesday
Date : 03/06/2025

S-25595-2025

Time : 02:30 PM-05:30 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 key differences between traditional BI solutions and cloud-based or SaaS-based BI solutions? Discuss the advantages and challenges of using cloud technology for Business Intelligence. (10)

OR

Q. 1 Discuss the role of Query Tools and Reporting in Business Intelligence. How do these tools help in decision-making, and what are their limitations? (10)

Q. 2 Discuss how ad hoc queries and OLAP (Online Analytical Processing) data analysis can be integrated into a BI project to enhance decision-making capabilities. Provide relevant examples. (10)

OR

Q. 2 What role do metadata models play in a BI project? Discuss how automated tasks and events can improve the efficiency of BI operations. (10)

Q. 3 Discuss the various types of resources required for a BI project. (10)

OR

Q. 3 Discuss the importance of cost-justifying BI solutions. How can an organization measure the success of a BI implementation? (10)

Q. 4 Explain the importance of collecting user requirements in the BI building process. (10)

OR

Q. 4 Explain the importance of post-implementation evaluations and maintaining a BI environment after deployment. (10)

Q. 5 Compare building reports with relational data models versus multidimensional data models. (10)

OR

Q. 5 Discuss the significance of adding calculations and summary lines to BI reports. (10)

Q. 6 What are the critical factors involved in system sizing, measurements, and dependencies for a BI system? (10)

OR

Q. 6 Describe the importance of authentication, authorization, and access permissions in a BI environment (10)

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