

BACHELOR OF TECHNOLOGY (CBCS) (2020 COURSE)
B.Tech.Sem - VI COMPUTER SCIENCE & ENGINEERING : SUMMER : 2024
SUBJECT: ITC-IV: BUSINESS INTELLIGENCE SYSTEM

Day : Monday
Date : 03/06/2024

S-24328-2024

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 **WHEREVER** necessary.
- 4) Draw neat labeled diagrams **WHEREVER** necessary.
- 5) Use of IS800, IS875, Steel Table and Calculator is **allowed**.

- Q.1 Discuss the concepts of OLAP and advanced analytics in BI. (10)
OR
- Q.1 Define Business Intelligence, its key components and architectural consideration and explore potential future directions of BI technology. (10)
- Q.2 Explain the purpose of Software Development Kit (SDK) in BI and how it enables customization and integration with other applications. (10)
OR
- Q.2 Differentiate between reports and ad hoc queries in BI, explain their respective roles in decision support. (10)
- Q.3 Analyze techniques for justifying the cost of BI solutions to stakeholders, focusing on Potential Returns on Investment. (10)
OR
- Q.3 Discuss key steps involved in planning a successful BI project. (10)
- Q.4 Describe strategies for prioritizing and validating BI requirements to ensure they align with business needs. (10)
OR
- Q.4 Explain the stages of BI design and development. (10)
- Q.5 Compare and contrast building reports with relational and multidimensional data models, highlighting their advantages and use cases. (10)
OR
- Q.5 Describe how to add calculations to reports and the benefits of conditional formatting for data visualization. (10)
- Q.6 Describe strategies for expanding BI security measures covering authentication, authorization, access control and user roles. (10)
OR
- Q.6 Discuss different BI architecture alternatives and their suitability for specific scenarios. (10)

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