

BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)
B. Tech. Sem - VI COMPUTER SCIENCE & ENGINEERING : SUMMER : 2024
SUBJECT: ITC-IV: BUSINESS INTELLIGENCE SYSTEM

Day : Monday
Date : 03/06/2024

S-25595-2024

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 how BI tools can support the information needs of senior executives, including performance management dashboard and metrics. (10)
OR
- Q.1** Define ETL process and explain in detail ETL architecture. (10)
- Q.2** Differentiate between reports and ad hoc queries in BI and explain their respective roles in decision support. (10)
OR
- Q.2** Describe OLAP data analysis techniques in detail. (10)
- Q.3** Discuss the types of resources required for a BI project. (10)
OR
- Q.3** Describe the typical tasks involved in BI project lifecycle. (10)
- Q.4** Discuss how to handle changing requirements during a BI project and their impact on the development process. (10)
OR
- Q.4** Explain importance of post-implementation evaluations in assessing the effectiveness of BI solutions and driving continuous improvements. (10)
- Q.5** Describe different output forms for reports and discuss their advantages and limitations for data distribution and sharing. (10)
OR
- Q.5** Discuss methods for adding calculations, formulas and derived metrics to reports for deeper insights and analysis. (10)
- Q.6** Describe importance of integrating mail servers and portals with BI system and benefits of backup and restore procedures. (10)
OR
- Q.6** Explain the considerations and best practices for implementing OLAP within BI system. (10)

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