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Roll No. ....

**BB591**

**M.Tech. EXAMINATION, May 2019**

(Second Semester)

(B. Scheme) (Re-appear)

(CSE)

CSE566B

DATA WAREHOUSING

*Time : 3 Hours]*

*[Maximum Marks : 75*

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Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

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**Note :** Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

(3-31/9) M-BB591

**P.T.O.**

### Unit I

1. List and explain the building blocks of Data Warehouse. **15**
2. (a) Discuss the concept of Data Marks along with its applications. **10**  
(b) What is meta data in a data warehouse ? Explain in detail. **5**

### Unit II

3. (a) What do you mean by Data Visualization ? Also write the utility of Data Visualization. **7**  
(b) Elaborate why OLAP is required. Also write the features of OLAP. **8**
4. Explain the concept of Web-Enabled Data Warehouse. Also elaborate the process of building a Web-Enabled Data Warehouse. **15**

### Unit III

5. (a) Write a detailed note on Database Software. **7**

- (b) List and explain the requirements gathering methods for data Warehousing. **8**

6. (a) What do you mean by the term “Data design” ? Explain in detail. **7**  
(b) Elaborate the concept of Dimensional Analysis. **8**

### Unit IV

7. Write a detailed note on STAR Schema. **15**
8. (a) List and explain the principles of Dimensional Modeling. **7**  
(b) What is Snowflake Schema ? Explain. **8**