Reg. No. \_\_\_\_\_\_\_\_\_\_\_\_\_



**End Semester Examination – Nov / Dec – 2019**

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| **Code :** | **17CS3040** | **Duration :** | **3hrs** |
| **Sub. Name :** | **DATA WAREHOUSE** | **Max. Marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Explain the distinguishing features of data warehouse with diagram. | CO1 | 10 |
| b. | What is live sample database? Draw and explain the diagrammatic representation for live sample database used in any application. | CO2 | 5 |
| c. | Compare and contrast between high level and low level granularity. | CO2 | 5 |
| **(OR)** | | | | |
| 2. |  | Explain the different ways of summarizing data in data warehouse. | CO2 | 20 |
| 3. | a. | List the most important challenges involved to move the data from operational database to datawarehouse. | CO3 | 5 |
| b. | Describe the three levels of data modeling used in data warehouse. | CO2 | 15 |
| **(OR)** | | | | |
| 4. | a. | Explain how data overflow is handled in data warehouse environment. | CO1 | 10 |
| b. | Draw the schematic representation to show the levels of granularity maintained in telecommunication industry. | CO1 | 10 |
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| 5. | a. | What is locking? Discuss how lock management is maintained in datawarehouse environment. | CO3 | 5 |
| b. | Differentiate between operational database and data warehouse environment. | CO3 | 5 |
| c. | Evaluate and write the importance of the technological features managing ‘large volume’ and ‘multiple media’ are maintained in Data warehouse. | CO4 | 10 |
| **(OR)** | | | | |
| 6. |  | Explain in detail about how EIS(Executive Information System) provides support for data visualization using data warehouse. | CO3 | 20 |
|  |  |  |  |  |
| 7. | a. | List the issues of storing unstructured and external data in data warehouse. | CO4 | 5 |
| b. | Explain the path of activities to be followed in decision support system(DSS) of data warehouse environment. | CO4 | 15 |
| **(OR)** | | | | |
| 8. |  | Explain in detail about the list of processes involved in moving the data from web log into data warehouse environment. | CO5 | 20 |
|  | | **Compulsory**: |  |  |
| 9. |  | Discuss in detail on how a data warehouse is built using ERP and non- ERP systems. | CO6 | 20 |