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APR-MAY

**B. E. (Eighth Semester) Examination, 2020****(New Scheme)****(CSE Branch)****DATA MINING & WAREHOUSING***Time Allowed : Three hours**Maximum Marks : 80**Minimum Pass Marks : 28*

*Note : Attempt all questions. Part (a) of each question is compulsory. Solve any two of parts (b), (c) and (d).*

**Unit-I**

1. (a) Define the term data warehousing. 2
- (b) Describe the basic elements of data warehouse. 7

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- (c) How are data warehouse projects differ from OLAP projects? 7
- (d) Explain the three tier architecture of dataware house with net diagram. 7

**Unit-II**

2. (a) Define dimension table. 2
- (b) What are the different ways of representation of logical database? 7
- (c) Explain transformation with suitable example. 7
- (d) What is data extraction? Describe the different technique of data extraction. 7

**Unit-III**

3. (a) How are data warehouse and web related? 2
- (b) How is data partitioning helpful in reducing the query access time from data warehouse? 7
- (c) Explain the physical design process of data warehouse. 7
- (d) Explain process of data warehouse deployment in detail. 7

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**Unit-IV**

4. (a) Define the steps of pre processing raw data sets enlisting methods in each steps. 2
- (b) What is knowledge discovery? Describe KDD process in detail. 7
- (c) Define the term data mining. Briefly explain different data mining techniques. 7
- (d) What do you mean by Clustering? Briefly explain the association rules. 7

**Unit-V**

5. (a) What is web mining? 2
- (b) Differentiate between the features provided by web content mining and web usage mining. 7
- (c) Explain the Taxonomy of web mining with suitable diagram. 7
- (d) Discuss the application of data mining in the field of E-commerce. 7