Reg.No : | | | | | | | | | | | |

# D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1

## SEMESTER EXAMINATIONS

## APRIL - 2017 15CCA4C

## ELECTIVE II : DATA MINING AND DATA WAREHOUSING

**Time : 3 Hours** **Max. Marks : 75**

**SECTION – A (10 x 2 = 20)**

**Answer ALL the questions.**

1. Define Data Warehouse.
2. Define Fact Constellation.
3. What is OLAP server?
4. Define Bitmap Join Indexing.
5. What is meant by attribute subset Selection?
6. Differentiate Characterization and Discrimination.
7. What is Association Rule? Give example.
8. Define Multilevel Association.
9. Define Navie Bayesian classification.
10. Define Agglomerative and Divisive.

**SECTION – B ( 5 x 5 = 25 )**

**Answer any FIVE of the following questions.**

11. Explain Star, Snowflake and Galaxy schemas.
12. What is OLAP? Explain OLAP Server.
13. Explain Data Summarization Based Characterization and Discrimination.
14. List the methods used for Statistical Descriptions of Data.
15. Explain about Multilevel Association Rules from transaction DBS.
16. Describe the methods of Grid Based Clustering.
17. Briefly explain about Decision Tree Induction.
18. What is Data Cube? Explain.

**SECTION – C ( 3 x 10 = 30 )**

**Answer ALL the questions.**

19. (a) Explain Data Warehouse Architecture.

(Or)

(b) What is Fact and Dimension data? Explain Fact Table partitioning.

20. (a) Discuss about the different OLAP operations on multidimensional data model with suitable example.

(Or)

(b) Explain about Data Mining Query Languages.

21. (a) Explain about Constraint Based Association Mining.

(Or)

(b) Explain about Cluster and its methods.

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