

**C. ABDUL HAKEEM COLLEGE (AUTONOMOUS),
MELVISHARAM - 632 509.
SEMESTER EXAMINATIONS, NOVEMBER - 2018**

**B.C.A.,
SEMESTER V
U15ECA502 – DATA MINING AND WAREHOUSING (ELECTIVE - I)**

Time: Three Hours

Maximum: 75 Marks

SECTION - A (10 X 2 = 20 Marks)

Answer ALL Questions.

1. What are the goals of data mining?
2. How is data warehouse is different from database?
3. Define data cleaning.
4. Define data transformation.
5. How a database design is represented in OLAP System?
6. Define metadata.
7. What do you mean by association analysis?
8. List out the algorithms used for finding frequent item set.
9. Define virtual data mining.
10. What is meant by data security?

SECTION - B (5 X 5 = 25 Marks)

Answer ALL Questions.

11. a) What are the factors involved while choosing data mining system? Explain.

(Or)

- b) What are the various kinds of data can be mind? Explain.

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12. a) Why to preprocess the data? Describe. (Or)

- b) What other methods are there for data smoothing? Explain.

13. a) Write short notes on multidimensional data model. (Or)

(Or)

- b) Briefly describe 'ROLAP'.

14. a) Explain market basket analysis. (Or)

(Or)

- b) Explain mining by partitioning the data.

15. a) List out some of the data mining application domains. Explain it. (Or)

(Or)

- b) Write a brief note on data mining for intrusion detection and prevention.

SECTION - C (3 X 10 = 30 Marks)

Answer ANY THREE Questions.

16. Explain the differences and similarities between: (4+4+2 Marks)

- a) Discrimination and classification,

- b) Characterization and clustering and

- c) Classification and regression.

17. Explain briefly about data discretization and concept hierarchy generation.

18. Discuss about data warehouse design and its usage.

19. a) Which patterns are interesting in pattern evaluation methods? Justify your answer.

- b) Explain the FP growth algorithms in associating techniques.

20. a) Explain the various views of data mining foundations.

- b) Write a short note on the mining graphs.

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