

S.No. 2501

08UCA16/
08UCSE07/
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(For the candidates admitted from 2008 – 2009 onwards)

B.C.A./B.Sc. DEGREE EXAMINATION,
APRIL/MAY 2018.

Sixth Semester

Elective — DATA MINING AND WAREHOUSING

(Common for C.S. and I.S.)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define Supervised Classification.
2. What is Association Rules Mining?
3. Define Classification.
4. What is Pruning?
5. List the difference between cluster analysis and classification.

6. Define K-Means method.
7. Define Web Content Mining.
8. Define Crawler.
9. List some of the OLTP systems.
10. Define OLAP.

PART B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain any three data mining applications.

Or

- (b) Explain the Naïve algorithm in detail.

12. (a) Write short note on Decision Tree.

Or

- (b) Explain some of the classification software.

13. (a) Discuss the types of data.

Or

- (b) Explain the single and complete link algorithm.

14. (a) Explain some of the web terminology based on W3C.

Or

- (b) Write short note on functionality of search engine.

15. (a) Explain the steps in building a data warehouse.

Or

- (b) Explain the FASMI characteristics of OLAP system.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the Apriori Algorithm with example.

17. Explain the evaluation criteria for classification methods.

18. Explain the quality and validity of cluster analysis methods.

19. Discuss about Web usage mining in detail.

20. Explain the multidimensional view and data cube of OLAP.