



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE

FIRST SEMESTER – NOVEMBER 2017

CS 1822 - DATA MINING

Date: 02-11-2017
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

SECTION – A

Answer All the questions

10 x 2 = 20

1. Define Data mining.
2. Write any two data mining techniques.
3. What is classification?
4. Define Decision Tree.
5. What is clustering?
6. Define outlier.
7. What is association rule?
8. Define Minimum support.
9. What are crawlers?
10. Define the term Covered by.

SECTION – A

Answer All the questions

5 x 8 = 40

11. a) Explain the basic data mining tasks with categorization.

(OR)

- b) Compare data mining with knowledge discovery in databases.

12. a) Explain the PAM algorithm with example.

(OR)

- b) Explain the Rule based algorithm with Example.

13. a) Explain the divisive analysis clustering algorithm.

(OR)

- b) Explain the agglomerative clustering algorithm.

14. a) What are Incremental Rules? Explain.

(OR)

- b) How to measure the quality of rules? Explain.

15. a) Explain personalization with web content mining

(OR)

- b) Discuss about spatial queries.

SECTION - C

Answer All the questions

2 x 20 = 40

16. i) Explain Decision tree with example. (10)
ii) Explain the role of neural networks in solving classification problems. (10)
17. i) Explain the CART algorithm with example.. (10)
ii) Explain the K - Means clustering algorithm with example. (10)
18. i) Explain the Apriori algorithm with example. (10)
ii) Explain in detail about web usage mining. (10)

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