No. of Printed Pages : 04

Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 41118 Roll No. | 1 | 2 | 2 | 0 | 2 | 5 | 8 | 0 | 8 | 2 |

BCA Examination 2023-24

(Even Semester)

DATA WAREHOUSING & DATA MINING

Time : Three Hours]   *[Maximum Marks : 60*

Note :– Attempt all questions.

SECTION–A

1. Attempt all parts of the following :   8×1=8

    (a) What is data mining? Define it.

    (b) Explain all steps which are involved in data mining.

    (c) Explain architecture of data mining system.

    (d) What do you mean by relational databases?

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(e) What do you mean by transactional databases?

(f) What do you mean by adverse data information system?

(g) Explain classification of data mining systems in detail.

(h) What do you mean by data mining task primitives?

SECTION – B

2. Attempt any two parts of the following :   2×6=12

(a) What do you mean by integration of a data mining system with a database or data warehouse system?

(b) What do you mean by measuring the crystal tendency under the data summarization?

(c) What do you mean by measuring the dispersion of data under the data summarization?

(d) What do you mean by association analysis? Explain association rule.

SECTION – C

Note :– Attempt all questions. Attempt any two parts from each questions.   8×5=40

3. (a) Explain some benefits of cloud based data ware house?

    (b) Write differences between OLTP and OLAP.

    (c) Draw and explain the data warehouse architecture.

4. (a) Explain multidimensional data molding.

    (b) What are the general approaches present to solve classification problems?

    (c) Explain data mining system classification in detail.

5. (a) What do you mean by tree pruning? Explain with example in detail.

    (b) Explain generating association rules for frequent item sets. Explain with example.

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   (c)   Explain FP-growth algorithm and FP tree representation with example.

6. (a)   What is cross validation? Explain in detail.

    (b)   Explain Baye's theorem rule based classification in detail.

    (c)   What do you mean by nearest neighbor classifier? Explain in detail.

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