

Roll No.

Total Pages : 2

BT-8/M-20

38009

DATA WAREHOUSING AND DATA MINING

Paper–CSE-476-E

Time Allowed : 3 Hours]

[Maximum Marks : 75

Note : Attempt five questions in all, selecting at least one question from each Unit. All questions carry equal marks.

UNIT–I

1. (a) Why is Data mining important? What are the issues and challenges in Data mining? 8
- (b) Discuss various functions of Data warehouse. 7
2. (a) Differentiate operational and information system in Data mining. 8
- (b) What are the various steps involved in Data mining process. 7

UNIT–II

3. (a) Differentiate Distributed and Centralize data warehouse. 7
- (b) What is multi-dimensional model? Explain in detail. 8

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4. Write short notes on the following :

(a) Virtual data warehouse.

(b) Stationary data warehouse. $2 \times 7\frac{1}{2} = 15$

UNIT-III

5. Write short notes on :

(a) Meta data.

(b) Operational data.

(c) Operational database. $3 \times 5 = 15$

6. (a) Differentiate 3-tire data warehouse architecture and 4-tire data warehouse architecture. 7

(b) What do you understand by decision support system (DSS)? Differentiate DSS and MIS. 8

UNIT-IV

7. Discuss the role of following terms used in Data mining :

(a) Fuzzy rules.

(b) Genetic algorithm. $2 \times 7\frac{1}{2} = 15$

8. Discuss various Statistical techniques used in Data mining in detail. 15