

7E4092

Roll No. \_\_\_\_\_

Total Printed Pages : 2

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B. Tech. (Sem. VII) (Re-Back) Examination, December-2012  
Computer Engg.  
7CS2 Data Mining & Ware Housin

Time : 3 Hours]

[Maximum Marks : 80  
[Min. Passing Marks : 24

*Attempt any five questions. Selecting one question from each unit.  
All questions carry equal marks. Schematic diagrams must be  
shown wherever necessary. Any data you feel missing suitably  
be assumed and stated clearly. Units of quantities used /  
calculated must be stated clearly.*

Use of following supporting material is permitted during examination.  
(Mentioned in form No. 205)

1. \_\_\_\_\_ Nil

2. \_\_\_\_\_ Nil

UNIT - I

1 What motivated data mining ? Describe the various kinds of data that can be mined in detail.

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OR

1 Explain discretization and concept hierarchy in detail. Describe the various data reduction strategies.

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UNIT - II

2 Explain data generalization and analytical characterization in detail. Describe various steps involved in class comparison.

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OR

2 Explain mining single dimensional boolean association rules from transactional database in detail. How do you measure central tendency of data ?

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## UNIT - III

- 3 Explain classification by decision tree induction. Describe various classification methods.

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OR

- 3 Describe the various types of density based methods and grid based methods in detail.

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## UNIT - IV

- 4 What is a data warehouse ? Distinguish OLTP and OLAP system in detail.

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OR

- 4 Explain multidimensional data model in detail. What is need of data marting ?

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## UNIT - V

- 5 Explain various OLAP function in detail. What is use of aggregation and historical information in data warehouse?

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OR

- 5 Explain data mining interface. How do you perform security in a data warehouse ? How do you tune the data warehouse ?

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