

Hall Ticket Number :

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**R14**

**Code: 4P2B44**

M.C.A. IV Semester Supplementary Examinations November 2016

**Data ware Housing and Data Mining**

Max. Marks: 60

Time: 3 Hours

Answer all five units by choosing one question from each unit ( 5 x 12 = 60Marks )

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**UNIT-I**

1. a) What is a data warehouse? Explain data warehouse architecture. 5M
- b) What is data mining? Explain different data mining functionalities. 7M

**OR**

2. Discuss major issues related to data mining. 12M

**UNIT-II**

3. Discuss the importance of data pre-processing and descriptive data summarization. 12M

**OR**

4. Discuss the various methods for generation of concept hierarchies for numerical data. 12M

**UNIT-III**

5. Discuss in detail frequent-pattern growth method to generate frequent item sets. 12M

**OR**

6. Discuss in detail mining multi-dimensional association rules from relational databases. 12M

**UNIT-IV**

7. Discuss different issues related to classification and prediction.

**OR**

8. a) Discuss the typical requirements of clustering methods 8M
- b) Write about k-means clustering technique. 4M

**UNIT-V**

9. Write about different applications and trends in data mining 12M

**OR**

10. Discuss in detail mining sequence patterns 12M

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Hall Ticket Number :										
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<b>R14</b>
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**Code: 4P2B4D**

*M.C.A. IV Semester Supplementary Examinations November 2016*

**Distributed Databases**

Max. Marks: 60

Time: 3 Hours

Answer all five units by choosing one question from each unit ( 5 x 12 = 60Marks )

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<b>UNIT-I</b>
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1. Explain the Architecture of Distributed Databases. 12M

**OR**

2. Write about Distributed Database Management Systems along with advantages and disadvantages. 12M

<b>UNIT-II</b>
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3. What are the Levels of Distribution Transparency? Describe about Distribution Transparency for Read only Applications. 12M

**OR**

4. Describe the Allocation of Fragments. 12M

<b>UNIT-III</b>
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5. Briefly explain about Join Queries and General Queries. 12M

**OR**

6. Write about the Properties of Transactions and Distributed Transaction Management. 12M

<b>UNIT-IV</b>
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7. Elaborate on Distributed Deadlocks. 12M

**OR**

8. Explain about Checkpoints and Cold Restart in brief. 12M

<b>UNIT-V</b>
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9. Write a detailed note on Distributed Database Administration. 12M

**OR**

10. What s IBM's Inter System Communication? Explain. 12M

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