Code :R7321205 1

III B.Tech II Semester(R07) Regular & Supplementary Examinations, April/May 2011
DATA WAREHOUSING & DATA MINING
(Information Technology)

Time: 3 hours **Max Marks: 80**

Answer any FIVE questions
All questions carry equal marks

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1. Explain classification of Data Mining system.
2. Explain about the data ware house implementation.
3. (a) Define data mining and explain the architecture of Data mining.
   (b) What are the primitives of data mining?
4. (a) Explain Quantitative characteristic rule.
   (b) Explain analytical characterization.
5. Explain FP- growth algorithm.
6. Explain various methods for Pruning Decision tree.
7. Explain briefly on categorical and ratio scaled variables.
8. Explain the aggregation and approximation in spatial and multimedia data generalization.

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Code :R7321205 2

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DATA WAREHOUSING & DATA MINING
(Information Technology)

Time: 3 hours **Max Marks: 80**

Answer any FIVE questions
All questions carry equal marks

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1. Discuss about the Data Mining task Primitives.
2. Explain about the stars, snowflakes, and fact constellations: schemes for multi dimensional database.
3. Explain in detail about Data mining Query language.
4. (a) Explain different mining class comparisons.
   (b) Define Data collection. Explain task relevant data.
5. (a) Explain the two phase strategy of mining association rules with an example.
   (b) Explain about rule Quantity and rule Quality.
6. Calculate the worst case computational complexity of Decision tree induction Algorithm.
7. Write short notes on all major clustering methods.
8. How can object identifiers be generalized? Justify.

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Code :R7321205 **3**

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Time: 3 hours **Max Marks: 80**

Answer any FIVE questions
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1. Discuss about the major issues in Data mining.
2. Explain about a multidimensional data model from tables and spread sheets to data cubes.
3. Explain different functional components in graphical user interfaces based on a Data mining query language.
4. (a) Explain about Discriminating between different classes.
   (b) Explain mining descriptive statistical measures in large data bases.
5. Explain different approaches to mining multilevel association rules.
6. Describe the advantages and disadvantages of Pruning Techniques.
7. Explain representative object based technique of classical partitioning method.
8. How generalization can play an important role in mining complex database?

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Code :R7321205 4

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Time: 3 hours **Max Marks: 80**

Answer any FIVE questions
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1. Explain how the evolution of data base technology led to data mining.
2. Explain about the types of OLAP servers.
3. What is the difference between attribute removal and attribute generalization?
4. (a) Explain concept description.
   (b) Define attribute oriented induction and explain with an algorithm.
5. How can we mine multilevel association rules efficiently using concept Hierarchies?
6. Why classification is needed in data mining concepts? Explain the need of it with various examples.
7. Explain the types of classical partitioning methods.
8. Explain briefly about:
   (a) Generalization of object identifiers and class/subclass hierarchies
   (b) Generalization of class composition hierarchies
   (c) Construction and mining of object cubes.

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