

**DATA WAREHOUSING AND DATA MINING**

(Common to CSSE and ECC)

Time: 3 hours

Max. Marks: 80

Answer any FIVE questions

All questions carry equal marks

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- 1 (a) What are the major issues in data mining?  
(b) Explain about Discretization and concept of hierarchy generation.
- 2 (a) Explain about data warehouse architecture.  
(b) Explain about multidimensional data model.
- 3 Explain about designing graphical user interfaces based on a data mining query language architecture of data mining systems.
- 4 (a) Attribute-oriented induction generates one or a set of generalized descriptions. How can these descriptions be visualized?  
(b) Discuss about the methods of attribute relevance analysis.
- 5 (a) Explain the basic concept of association rule mining and a road map of it.  
(b) Briefly explain about constraint based association mining.
- 6 (a) Why is tree pruning is useful in decision tree induction? What is the drawback of using separate set of samples to evaluate pruning?  
(b) How rough set approach and fuzzy set approaches are useful for classification?
- 7 (a) Discuss about types of data in cluster analysis.  
(b) Explain about partitioning methods.
- 8 (a) What is data objects? Explain.  
(b) Explain briefly about mining multimedia databases.

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