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Ξ	B. Tech. (Sem. VI	II) (Main) È	xaminatio	on, April/May	- 2011
8E40	Information Tech. 8IT1 Data Mining	#			
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(a)	Explain the issue	es and usefu	ulness of	Data Mining	?
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1.

8E4020]

Discuss why relevance analysis is beneficial and how it can 2 be performed and integrated into the characterization process. Compare the result of two induction method (a) with relevance analysis and (b) without relevance analysis.

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OR

- 2 Write short notes on:
 - Generalized association rules
 - Multilevel association rules. (b)

8+8

What is boosting? State why it may improve the accuracy 3 (a) of decision tree induction.

Compare the advantages and disadvantages of eager (b) classification (Eg. decision tree, Bayesian, neural network) versus lazy classification (Eg. k-nearest neighbour, casebased reasoning).

8

OR

- Describe the following approaches to clustering: 3
 - Partitioning methods (a)
 - Hierarchical methods (b)
 - Density based methods (c)
 - Grid-based methods. (d)

16

What is data warehouse? How data is acquired or calculated (a) 4 in a data warehouse?

8

Differentiate data base system and data warehouse.

OR

[Contd...

4 (a) Explain the conceptual view of a data warehouse.

8

(b) What is the need of client, server architecture? What are the limitation of 2 Tier architecture?

8

What do you mean by aggregation? Explain how the OLAP handles aggregation.

16

OR

- 5 Write short note on:
 - (a) OLAP servers
 - (b) ROLAP
 - (c) HOLAP
 - (d) Tuning data warehouse.

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