M. Tech. Computer Science & Engineering (CBCS Pattern) Sem-I

PCSS141 / PCSS14(A) - Data Warehousing and Data Mining

P. Pages : 1 **GUG/W/22/10944**

Time : Three Hours * 1 7 4 4 * Max. Marks : 70

Notes : 1. Attempt **any five** questions.
2. All questions carry equal marks.
3. Assume suitable data wherever necessary.
4. Illustrate your answers wherever necessary with the help of neat sketches.

1.	a)	List and explain different characteristics of data warehouse.	**7**
	b)	Explain Data mining functionalities.	**7**
2.	a)	Write short note on Enterprise Warehouse, Data Mart and virtual warehouse.	**7**
	b)	Describe steps involved in (KDD) Knowledge Discovery in Databases.	**7**
3.	a)	Explain different Applications of data mining.	**7**
	b)	Explain Major issues in Data Mining.	**7**
4.	a)	Explain major issues in data processing.	**6**
	b)	Explain in detail – i) OLAP ii) OLTP	**8**
5.	a)	Explain how statistical description of data can be given.	**8**
	b)	Explain various issues in data integration.	**6**
6.	a)	Explain Attribute selection measures.	**7**
	b)	Explain method of mining spatial databases.	**7**
7.	a)	Explain mining multilevel Association rules for transactional databases.	**7**
	b)	Explain decision tree with algorithms.	**7**
8.	a)	What is Neural Network? Explain benefits and features of network.	**7**
	b)	Explain cluster analysis in detail.	**7**

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