B. C.A SEM - 6 OCH - 2015

PAPER No: 601 Duration: 2:30 HRS

Title: Data Warehouse and Data Mining Marks: 70

Sub code: 3463

Q-1	Answer the following question	
Α	What is Data Warehouse? Explain Data Warehouse process.	7
В	What is Data Cube? Explain Snowflake schema in detail with an example. OR	7
Α	Consider a Supermarket. List the elements of data warehouse in Supermarket. Also list the metadata, data mart and need for Data Warehouse in a Super Market.	7
В	Explain the terms with examples: DBMS, RDBMS, Data Warehouse, Data Mining.	7
Q-2	Answer the following question	
A	Differentiate between:	7
	 OLTP and OLAP ROLAP and MOLAP 	
В	What is the role and responsibilities of a Data Warehouse Manage? OR	7
Α	Explain the 3-Tier Data Warehouse architecture.	7
В	What is Virtual Data Warehouse? Compare Distributed and Virtual Data Warehouse.	7
Q-3	Answer the following question.	
Α	Write a short note on Data Mining.	7
В	Classify Data Mining System based on their applications. OR	7
Α	What are the major challenges/issues in Data Mining? Explain steps to overcome these challenges.	7
В	Explain Association Rule Mining with an example.	7
Q-4	Answer the following question	
Α	What is known as Knowledge Discovery in Databases? Explain steps.	7
В	Explain the terms: Outliers, Clustering, Data Mining Primitives. OR	7
Α	Write a short note on DMQL.	7
В	Differentiate between Classification and Clustering with suitable examples.	7
Q-5	Answer the following question	
Α	Explain Time Series Data Mining.	7
В	Explain Web Mining in context of Search Engine Optimization. OR	7
Α	Explain how Multimedia Mining can be performed. List and demonstrate any two Multimedia Mining examples.	7
, В	How will you do Data Mining on Complex Data Objects? Give examples and also list tools which will help in Mining Complex Data objects.	7