PRN:		Course Code :	BCA305.2

Third Year **B.C.A.** End Semester Examination Winter 2023

Data Mining and Warehousing

Day and Date: wednesday, 06/12/2023 Max Marks: **100**

Time : 10.30 am to 1.30 pm Duration: **03** hrs

Instructions: 1. All questions are compulsory.
2. Draw Diagrams whenever necessary.

		Marks	Bloom's Level	CO
Q.1	**Attempt the following**			
a)	Define Data warehousing with its key features.	08	2	1
b)	Distinguish OLAP and OLTP.	08	4	1
	OR			
b)	Discuss Data Warehouse Architecture with neat diagram.	08	2	1
Q.2	**Attempt the following**			
a)	Define and Elaborate Data warehousing team.	08	1	1
b)	Discuss Data warehouse Project Management implementation	08	2	1
	OR			
b)	Illustrate Project estimation and its benefits in data warehousing.	08	2	1
Q.3	**Attempt any Two from the following**			
a)	Distinguish Snow Flake Schema and Fact Constellation with an example.	08	4	2
b)	Elaborate Bitmapped index in Data Warehouse with its advantages example.	08	2	2
c)	Discuss Parallel Processing.	08	2	2
Q.4	**Attempt any Two from the following**			
a)	Define data mining? Explain its steps of processing in data mining.	08	1	2
b)	Describe Customer Relationship Management (CRM).	08	2	3
c)	Explain Decision support and machine learning.	08	2	3
Q.5	**Attempt any Two of the following**			
a)	Elaborate Decision trees and neural networks in data mining.	09	3	4
b)	Explain clustering technique in data mining.	09	3	4
c)	Explain Market Basket Analysis with an example	09	3	4

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Q.6 **Attempt any Two of the following**

a)	Illustrate Regression technique in data mining.	09	3	4
b)	Describe application of Data warehousing and Data mining in detail.	09	4	4
c)	Describe K-means clustering algorithm.	09	3	4

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