PAPER ID-420318

Roll No:

BTECH
(SEM VIII) THEORY EXAMINATION 2021-22
DATA WAREHOUSING & DATA MINING

Time: 3 Hours   *Total Marks: 100*

Note: Attempt all Sections. If you require any missing data, then choose suitably.

SECTION A

1.   **Attempt *all* questions in brief.**   **2*10 = 20**

Q.no	Questions	Marks	CO
(a)	What do you mean by Data Warehousing?	2	1
(b)	Briefly discuss about theData Warehousing Components.	2	1
(c)	What do you mean by Data Warehouse Process?	2	2
(d)	What do you understand by Warehousing Strategy?	2	2
(e)	Discuss the concept of Data Cleaning.	2	3
(f)	What are the needs of Data Mining?	2	3
(g)	Discuss about the Classification.	2	4
(h)	Discuss about the Clustering.	2	4
(i)	Write a short note on Data Visualization.	2	5
(j)	Write a short note on Aggregation.	2	5

SECTION B

2.   **Attempt any *three* of the following:**   **10*3 = 30**

Q.no	Questions	Marks	CO
(a)	Explain about the OLAP function, OLAP Tools and OLAP Servers.	10	5
(b)	Describe in detail about the Hardware and Operating Systems for Data Warehousing.	10	2
(c)	Describe in detail about any two of the following. (i) Binning (ii) Clustering (iii) Regression	10	3
(d)	Discuss about the Statistical measures in large Databases in Classification.	10	4
(e)	Discuss in detail about the Building a Data Warehouse.	10	1

SECTION C

3.   **Attempt any *one* part of the following:**   **10*1 = 10**

Q.no	Questions	Marks	CO
(a)	Define Tuning and Testing of Data Warehouse under the Data Visualization.	10	5
(b)	Describe about the Parallel Processors and Cluster Systems under the Data Warehouse Process Technology.	10	2

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4. **Attempt any *one* part of the following:** 10 *1 = 10

Q.no	Questions	Marks	CO
(a)	Discuss about the concept of Mapping the Data Warehouse to a Multiprocessor Architecture.	10	1
(b)	What do you understand by Data Cube Aggregation and Dimensionality reduction in Data Mining?	10	3

5. **Attempt any *one* part of the following:** 10*1 = 10

Q.no	Questions	Marks	CO
(a)	Compare and contrast between Distance-Based Algorithms and Decision Tree-Based Algorithms.	10	4
(b)	Discuss about the Web Mining, Spatial Mining and Temporal Mining under the Data Visualization.	10	5

6. **Attempt any *one* part of the following:** 10*1 = 10

Q.no	Questions	Marks	CO
(a)	Discuss about the Warehousing Software and Warehouse Schema Design in Data Warehouse Process Technology.	10	2
(b)	Describe about the Difference between Database System and Data Warehouse. What do you mean by Multi-Dimensional Data Model?	10	1

7. **Attempt any *one* part of the following:** 10*1 = 10

Q.no	Questions	Marks	CO
(a)	Describe in detail about any two of the following. (i)Numerosity Reduction (ii) Concept hierarchy generation (iii) Decision Tree	10	3
(b)	What do you understand by Hierarchical and Partitioned Algorithms under the Clustering in Data Mining and Warehousing?	10	4