PAPER ID-310306

Roll No: | | | | | | | | | | | |

BTECH
(SEM VII) THEORY EXAMINATION 2023-24
DATA WAREHOUSING AND DATA MINING

TIME: 3 HRS   **M.MARKS: 100**

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1.   Attempt _all_ questions in brief.   2 x 10 = 20

Q no.	Question	Marks
a.	Draw the diagram for key steps of data mining.	2
b.	Define the term Support and Confidence.	2
c.	Explain Data Warehouse Process.	2
d.	Illustrate the Warehousing Strategy.	2
e.	Write the statement for Apriori Algorithm.	2
f.	List out the drawbacks of k-mean algorithm?	2
g.	Explain about the Classification.	2
h.	Discuss the Clustering.	2
i.	Explain the needs on Data Mining.	2
j.	Write a short note on Binning.	2

SECTION B

2.   Attempt any _three_ of the following: 10 x 3 = 30

a.	Explain the Knowledge extraction process in details.	10
b.	Illustrate the OLAP function, OLAP tools and servers.	10
c.	Classify the different database schemas. Shows with an example.	10
d.	Discuss about the Statistical measures in large Databases in Classification.	10
e.	Explain the concept of building a Data Warehouse.	10

SECTION C

3.   Attempt any _one_ part of the following: 10 x 1 = 10

a.	Enumerate the steps involved in mapping the data warehouse to a multiprocessor architecture.	10
b.	Describe data cubes with suitable example.	10

4.   Attempt any _one_ part of the following: 10 x 1 = 10

a.	Describe concept hierarchy with example.	10
b.	Explain warehouse management and support process.	10

5.   Attempt any _one_ part of the following: 10 x 1 = 10

a.	Describe the difference between the following approaches for the integration of datamining system with database or data warehouse system: no coupling, loose coupling and semi tight coupling.	10
b.	Data consolidation is data modeling activity. This statement is true or not? Justify.	10

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

a.	Explain various measures of central tendency.	10
b.	Write a short note on a) Quartiles b) Histograms	10

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

a.	Compare and contrast between Distance-Bsed Algorithms and Decision Tree-Based Algorithms.	10
b.	Describe web mining with differentiate between web content mining, web structure mining and web suing mining.	10