Printed Pages: 01 **Sub Code: NCS066**

Paper Id: **110231** **Roll No.** | | | | | | | | | | |

B. TECH.
(SEM VI) THEORY EXAMINATION 2018-19
DATAWAREHOUSING AND DATA MINING

Time: 3 Hours ***Total Marks: 100***

Note: 1. Attempt all Sections.

SECTION A

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

a. Define Data Warehousing?
b. What is Data Mart?
c. Define Warehouse Meta Data?
d. Explain cluster system.
e. What is decision tree?
f. Write down the name of data compression techniques.
g. Define Web Mining?
h. What is HOLAP?
i. Explain OPTICS
j. What is historical information?

SECTION B

2. Attempt any *three* of the following: **10x3=30**

a. Write down the difference between database system and data warehouse.
b. Explain Warehouse Schema Design.
c. What is Data Mining and its functionalities?
d. How STING is different from CLIQUE.
e. Explain warehousing application and recent trends?

SECTION C

3. Attempt any *one* part of the following: **10x1=10**

a. Explain multi-dimensional data model.
b. Write down the data warehousing components with example.

4. Attempt any *one* part of the following: **10x1=10**

a. Explain the terms- Data Extraction, Cleanup and Transformation.
b. What is a data warehousing strategy?

5. Attempt any *one* part of the following: **10x1=10**

a. What is data processing and form of data preprocessing?
b. Explain the terms- Binning, Regression and Computer and Human Inspection.

6. Attempt any *one* part of the following: **10x1=10**

a. Explain Neural Network approach with example.
b. What is data visualization and its perspective?

7. Attempt any *one* part of the following: **10x1=10**

a. Define testing Strategies? What are the challenges in data warehouse testing?
b. Explain data mining interface and security

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