

--	--	--	--	--	--	--	--	--	--

**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