

**B.TECH**  
**(SEM VIII) THEORY EXAMINATION 2022-23**  
**DATA WAREHOUSING & DATA MINING**

**Time: 3 Hours**

**Total Marks: 100**

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

**SECTION A**

- 1. Attempt all questions in brief. 2 x 10 = 20**
- (a) Explain Data Warehousing?
  - (b) Discuss the Fact Constellation?
  - (c) Explain Distributed DBMS implementation.
  - (d) Define Warehousing Software.
  - (e) Discuss the Numerosity Reduction?
  - (f) Define decision Tree.
  - (g) Describe data Generalization.
  - (h) Explain Hierarchical Clustering.
  - (i) Explain Web Mining?
  - (j) Discuss the OLAP.

**SECTION B**

- 2. Attempt any three of the following: 10x3=30**
- (a) Write down the difference between Database System and Data Cubes.
  - (b) Explain Warehouse Schema Design.
  - (c) Explain Data Mining and its functionalities?
  - (d) Discuss 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) Explain Snow Flakes in detail.
- 4. Attempt any one part of the following: 10x1=10**
- (a) Explain Market Basket Analysis.
  - (b) Describe briefly the measure of central tendency.
- 5. Attempt any one part of the following: 10x1=10**
- (a) Briefly describe K-Nearest-Neighbor Classifiers.
  - (b) Discuss various issues regarding classification & prediction.
- 6. Attempt any one part of the following: 10x1=10**
- (a) Discuss CURE and Chameleon in detail?
  - (b) Explain Neural Network approach with example.
- 7. Attempt any one part of the following: 10x1=10**
- (a) Discuss the essential differences between the MOLAP &ROPLAP?
  - (b) Name any five challenges in Data Warehouse Testing.