

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.