

Printed Pages– 4

Roll No.

333731(22)

**B. E. (Seventh Semester) Examination,
April-May 2021**

(New Scheme)

(IT Branch)

DATA MINING & WAREHOUSING

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

***Note : Part (a) of each question is compulsory.
Attempt any two part from (b), (c) and (d) of
each question.***

Unit-I

1. (a) Explain Data Visualization. 2

333731(22)

PTO

[2]

- (b) What are the various building blocks and components of Data Warehouse? Explain in detail. 7
- (c) Write difference between OLTP and OLAP. 7
- (d) What is Metadata? Explain by giving some examples with suitable diagram. 7

Unit-II

- 2. (a) Explain Date Representation. 2
- (b) Design a STAR schema to track the production quantities for a manufacturing company, being a data specialist on a DWH project team. Production quantities are normally analyzed along the parts used, production facility and production run. 7
- (c) Explain snowflake schema with its advantages and disadvantages. 7
- (d) Is data quality helps in problem solving? Explain in detail. 7

Unit-III

- 3. (a) Explain Data Partitioning. 2

333731(22)

[3]

- (b) "A data warehouse is not a Decision Support System." Give reasons. 7
- (c) Explain how to implement and maintain the Data-warehouse? 7
- (d) Write difference between information processing and data mining. 7

Unit-IV

- 4. (a) What is Supervised Prediction? 2
- (b) Explain architecture of data mining system. 7
- (c) Explain classification algorithm. 7
- (d) Explain KDD process. 7

Unit-V

- 5. (a) What is multimedia data mining techniques? 2
- (b) Explain usage of web mining. 7
- (c) What is the difference between data mining and normal query language? 7

333731(22)

PTO

(d) Explain data generalization and summarization based characterization. 7