Printed Pages- 4

Roll No.

333731(22)

B. E. (Seventh Semester) Examination, Nov.-Dec. 2019

(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) What is difference between Data and Information? 2

   (b) Explain 3-tired architecture of data warehouse. 7

333731(22)   PTO

| 2 |

(c) Explain Meta-data and why is important? Explain multidimensional data. 7

(d) Explain what are the different elements of data warehouse. 7

Unit-II

2. (a) What is Data Extraction? 2

   (b) Explain ETL (Extraction Transformation and Loading) process of data warehouse. 7

   (c) What are the various steps involved in data extraction process? 7

   (d) What is dimension modeling? Explain alongwith diagram and examples. 7

Unit-III

3. (a) What is integrity constraints in physical design process? 2

   (b) Explain in brief On line Analytical Process (OLAP) and its types. 7

   (c) Explain how information is access and delivery of information is done in data warehouse? 7

333731(22)

(d) Explain how data warehouse is integrated with web with suitable example?   7

Unit-IV

4. (a) What is Data Mining?   2

(b) Explain various steps involved in Knowledge Discovery in Database (KDD) process   7

(c) Explain what are the different data mining technique, also give suitable example for support your answer.   7

(d) What is clustering and how it is different from classification?   7

Unit-V

5. (a) What is Query Language?   2

(b) Write short notes on : (any two)   7

(i) Spatial Mining

(ii) Web Usage Mining

(iii) Temporal Mining

(c) Explain Data visualization with reference to data mining.   7

(d) Discuss what are the new trends in data mining fields.   7