

Roll No.

DD-793

M. Sc. (Fourth Semester) EXAMINATION, 2020

COMPUTER SCIENCE

(Elective—I)

Paper Third

(Data Mining and Data Warehousing)

Time : Three Hours

Maximum Marks : 100

Note : Attempt any *two* parts from each question. All questions carry equal marks.

1. (a) What is a data warehouse ? Explain the architecture of data warehouse.
- (b) What is data mining ? Explain the classification of data mining system.
- (c) Write short notes on the following :
 - (i) Transactional database
 - (ii) Distributed database
2. (a) Explain data preprocessing techniques in detail.
- (b) Explain the architecture of data mining system.
- (c) Discuss the concept of transformation.

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3. (a) Write short notes on the following :
 - (i) Multidimensional association rule
 - (ii) Constraint-based association mining
- (b) Explain Boolean association rule.
- (c) Explain phases from association mining to correlation analysis.
4. (a) What is classification ? Explain the process of classification.
- (b) Give similarity and difference between classification and prediction.
- (c) What is cluster analysis ? Explain the different types of cluster analysis.
5. (a) Discuss social impact of data mining.
- (b) Explain different types of Web Mining. Also explain, how we can do data mining on data using web.
- (c) Write short notes on the following :
 - (i) Trends in data mining
 - (ii) Spatial mining