

Total No. of Questions : 8]

[Total No. of Printed Pages : 1

Roll No .....

## IT-840 (GS)

B.E. VIII Semester Examination, June 2020

### Grading System (GS)

#### Data Mining and Warehousing

(Elective - IV)

Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.  
ii) All questions carry equal marks.

1. Briefly compare the following concepts. You may use an example to explain your points.  
Snow flake, fact constellation, starnet query model.
2. Discuss the architecture of Data warehouse.
3. Why is data cleansing and data transformation function considered to be a vital task in the integration process.
4. Define association rule mining and explain how apriori algorithm works with suitable example?
5. Discuss
  - i) Roll-up
  - ii) Drill-down operation of ROLAP and MOLAP. Which implementation Technique do you prefer.
6. Describe FP growth algorithm with example.

OR

Write short notes on data mining application.

7. Discuss in detail the application of Data mining for Financial Data Analysis? Give suitable data flow diagram.
8. a) Explain the major classification of Clustering methods.  
b) Explain outlier analysis with example.

\*\*\*\*\*