

CHANDIGARH COLLEGE OF ENGINEERING & TECHNOLOGY (CCET – DEGREE WING)
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
SESSIONAL TEST – I (March 2017)

Subject Name: Data Mining and Analysis (CS605C)

Semester: VI Sem

Date: 10.03.2017

Name of Teacher : Er. Ankit Gupta

Time: 1:30 Hours

M. Marks: 30

Section-A (Attempt All questions -5 x 2 = 10)

1. i. Discuss Transactional Data with the help of suitable example. CO2
- vi. Discuss various issues a Data Mining system faces. CO1
- vii. With the help of suitable example and diagram, explain Star-net Query model CO3
- viii. What is the use of knowledge base for the betterment of society? CO1
- ix. Consider following data: {0,4,12,16,16,18,24,26,28}. Demonstrate the use of Equal frequency binning method on this data set (If Equal frequency binning algorithm divides the data into k groups which each group contains approximately same number of values.) CO4

Section-B (Attempt All questions 2 x 5 = 10)

2. a) Suppose that a data warehouse consists of the three dimensions time, doctor, and patient, and the two measures count and charge, where charge is the fee that a doctor charges a patient for a visit. CO3
Design star and snowflake schema for the above data warehouse.
- b) Elaborate various steps involved in Data Integration. What are the possible challenges? CO4

Section-C (Attempt any one question – 1 x 10 = 10)

3. Compare OLAP and OLTP with the help of suitable examples. CO2
4. How does a Data Warehouse handle multi dimensional data? Discuss with an example. What are various operations supported by Data Cube? CO3