DOON UNIVERSITY, DEHRADUN

Department of Computer Science, School of Technology

Integrated MCA. (Computer Science), Eighth Semester

Mid Semester Examination, 2018
TMC-553: Data Mining and Warehousing

Time Allowed: 2 Hours   *Maximum Marks: 30*

SECTION: A (Short Answer Type Questions)   **(Total Marks: 2*3=6)**

Attempt all questions (Answer all questions in this section in brief) -

1. Differentiate between OLAP and OLTP?

2. Explain Data mining with real world example?

3. Draw the 3 tier diagram of data warehouse?

SECTION: B (Long Answer Type Questions)   **(Total Marks: 3*4=12)**

Attempt any 3 questions

1. Explain the following methods of data integration?

   Correlation Analysis.

   Chi Square method.

2. Explain 3 methods for removing noisy value in Data Cleaning process?

3. Write a program to implement standard deviation for a particular array of data/

4. Draw a 4D data cube for four attributes ,illustrating dimensions zero to four

SECTION: C (Very Long Answer Type Questions)   **(Total Marks: 3*4= 12)**

Attempt any 3 questions.

1. Explain the following schemas with an example
   Star, Snowflake and Fact Constellation.

2. Find the Chi Square value and degree of freedom from following data.

	Male	Female
fiction	250	200
Non-fiction	50	1000

3. Explain Data Transformation Techniques in detail?

4. Explain the five Data Reduction techniques in Data Pre-processing?